

Rational design, enantioselective synthesis and catalytic EBINOLs

Nature Catalysis

2, 504-513

DOI: [10.1038/s41929-019-0278-7](https://doi.org/10.1038/s41929-019-0278-7)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Catalytic Three-Component Synthesis of Functionalized Naphtho[2,1- <i>b</i>]oxecines via a Double Bond Cleavage–Rearrangement Cascade. <i>Organic Letters</i> , 2019, 21, 6494-6498.	2.4	32
2	Asymmetric Construction of Axially Chiral 2-Arylpyrroles by Chirality Transfer of Atropisomeric Alkenes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13443-13447.	7.2	75
3	Organocatalytic Asymmetric Annulation of <i>ortho</i> -Alkynylanilines: Synthesis of Axially Chiral Naphthyl-Indoles. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17199-17204.	7.2	128
4	Organocatalytic Asymmetric Annulation of <i>ortho</i> -Alkynylanilines: Synthesis of Axially Chiral Naphthyl-Indoles. <i>Angewandte Chemie</i> , 2019, 131, 17359-17364.	1.6	38
5	Enantioselective organocatalytic activation of vinylidene–quinone methides (VQMs). <i>Chemical Communications</i> , 2019, 55, 11168-11170.	2.2	56
6	Asymmetric Construction of Axially Chiral 2-Arylpyrroles by Chirality Transfer of Atropisomeric Alkenes. <i>Angewandte Chemie</i> , 2019, 131, 13577-13581.	1.6	30
7	Chiral Phosphoric Acid-Catalyzed Enantioselective Direct Arylation of Iminoquinones: A Case Study of the Model Selectivity. <i>Journal of Organic Chemistry</i> , 2019, 84, 13473-13482.	1.7	7
8	Completely regioselective insertion of unsymmetrical alkynes into electron-deficient alkenes for the synthesis of new pentacyclic indoles. <i>Chemical Communications</i> , 2019, 55, 14757-14760.	2.2	21
9	Enantioenriched Methylene-Bridged Benzazocanes Synthesis by Organocatalytic and Superacid Activations. <i>Angewandte Chemie</i> , 2020, 132, 1295-1301.	1.6	7
10	Enantioenriched Methylene-Bridged Benzazocanes Synthesis by Organocatalytic and Superacid Activations. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1279-1285.	7.2	9
12	Design and Atroposelective Construction of IAN analogues by Organocatalytic Asymmetric Heteroannulation of Alkynes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23077-23082.	7.2	55
13	Brønsted Acid-Catalyzed Enantioselective Cycloisomerization of Arylalkynes. <i>Chemistry - A European Journal</i> , 2020, 26, 16266-16271.	1.7	13
15	Atroposelective Access to Oxindole-Based Axially Chiral Styrenes via the Strategy of Catalytic Kinetic Resolution. <i>Journal of the American Chemical Society</i> , 2020, 142, 15686-15696.	6.6	115
16	Design and Atroposelective Construction of IAN analogues by Organocatalytic Asymmetric Heteroannulation of Alkynes. <i>Angewandte Chemie</i> , 2020, 132, 23277-23282.	1.6	16
17	Synthesis of polycyclic indoles via organocatalytic bicyclization of $\hat{\pm}$ -alkynyl-naphthalen-2-ols with nitrones. <i>Chemical Communications</i> , 2020, 56, 11406-11409.	2.2	12
18	<i>N</i> -Iodosuccinimide-Mediated Dimerization of 2-Alkynyl-naphthols: A Highly Diastereoselective Construction of Bridged Polycyclic Compounds via Vinylidene- <i>ortho</i> -Quinone Methide Intermediate. <i>Organic Letters</i> , 2020, 22, 4461-4466.	2.4	18
19	Atroposelective Synthesis of Axially Chiral 3-Arylindoles by Copper-Catalyzed Asymmetric Cross-Coupling of Indoles with Quinones and Naphthoquinones. <i>Organic Letters</i> , 2020, 22, 4995-5000.	2.4	49
20	Yb(OTf) ₃ -Catalyzed Alkyne–Carbonyl Metathesis–Oxa-Michael Addition Relay for Diastereoselective Synthesis of Functionalized Naphtho[2,1- <i>b</i>]furans. <i>Organic Letters</i> , 2020, 22, 2414-2418.	2.4	26

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21	Organocatalytic Enantioselective Construction of Heterocycle-Substituted Styrenes with Chiral Atropisomerism. <i>Organic Letters</i> , 2020, 22, 2448-2453.	2.4	43
22	Axially Chiral $\langle \text{sc} \rangle$ Aryl-Alkene-Indole Framework: A Nascent Member of the Atropisomeric Family and Its Catalytic Asymmetric Construction. <i>Chinese Journal of Chemistry</i> , 2020, 38, 543-552.	2.6	121
23	DFT-Guided Phosphoric-Acid-Catalyzed Atroposelective Arene Functionalization of Nitrosonaphthalene. <i>CheM</i> , 2020, 6, 2046-2059.	5.8	83
24	A Bifunctional Ligand Enables Gold-Catalyzed Hydroarylation of Terminal Alkynes under Soft Reaction Conditions. <i>Organic Letters</i> , 2020, 22, 6045-6049.	2.4	19
25	Enantioselective Construction of Axially Chiral Amino Sulfide Vinyl Arenes by Chiral Sulfide-Catalyzed Electrophilic Carbothiolation of Alkynes. <i>Angewandte Chemie</i> , 2020, 132, 4989-4994.	1.6	22
26	Access to Chiral Bisphenol Ligands (BPOL) through Desymmetrizing Asymmetric Ortho-Selective Halogenation. <i>CheM</i> , 2020, 6, 919-932.	5.8	28
27	Chiral Phosphoric Acid Catalyzed Atroposelective C-H Amination of Arenes. <i>Angewandte Chemie</i> , 2020, 132, 6841-6845.	1.6	39
28	Enantioselective Construction of Axially Chiral Amino Sulfide Vinyl Arenes by Chiral Sulfide-Catalyzed Electrophilic Carbothiolation of Alkynes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4959-4964.	7.2	90
29	Chiral Spirocyclic Phosphoric Acids and Their Growing Applications. <i>Chinese Journal of Chemistry</i> , 2021, 39, 802-824.	2.6	46
30	Atropisomerism in Styrene: Synthesis, Stability, and Applications. <i>SynOpen</i> , 2021, 05, 68-85.	0.8	64
31	Combined Dynamic Kinetic Resolution and C-H Functionalization for Facile Synthesis of Non-Biaryl Atropisomer-Type Axially Chiral Organosilanes. <i>Chemistry - A European Journal</i> , 2021, 27, 4336-4340.	1.7	19
32	Recent Advances in Catalytic Asymmetric Construction of Atropisomers. <i>Chemical Reviews</i> , 2021, 121, 4805-4902.	23.0	499
33	Chiral Phosphoric Acid Catalyzed Asymmetric Synthesis of Axially Chiral Compounds. <i>Chinese Journal of Chemistry</i> , 2021, 39, 1787-1796.	2.6	111
34	Enantioselective reduction of prochiral ketones promoted by amino amide ruthenium complexes: A DFT study. <i>Journal of Organometallic Chemistry</i> , 2021, 939, 121765.	0.8	1
35	Highly Atroposelective Rhodium(II)-Catalyzed N-H Bond Insertion: Access to Axially Chiral $\langle i \rangle$ -Arylindolocarbazoles. <i>ACS Catalysis</i> , 2021, 11, 6135-6140.	5.5	48
36	Atroposelective Construction of Axially Chiral $\langle \text{sc} \rangle$ Alkene-Indole Scaffolds $\langle i \rangle$ via $\langle i \rangle$ Catalytic Enantioselective Addition Reaction of $\langle \text{sc} \rangle$ β -Alkynyl α -Indolylmethanols. <i>Chinese Journal of Chemistry</i> , 2021, 39, 2163-2171.	2.6	69
37	Enantioselective Synthesis of Axially Chiral Biaryls by Diels-Alder/Retro-Diels-Alder Reaction of 2-Pyrones with Alkynes. <i>Journal of the American Chemical Society</i> , 2021, 143, 8993-9001.	6.6	57
38	Binary-Acid Catalysis with $\text{Sc}(\text{OTf})_3/\text{TfOH}$ in the Alkenylation of Arenes with Alkynes. <i>Organic Letters</i> , 2021, 23, 5998-6003.	2.4	12

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40	Rational design and atroposelective synthesis of Nâ€“N axially chiral compounds. <i>CheM</i> , 2021, 7, 2743-2757.	5.8	87
41	Organocatalytic Enantioselective Construction of Chiral Azepine Skeleton Bearing Multipleâ€“Stereogenic Elements. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 21486-21493.	7.2	55
42	Urea group-directed organocatalytic asymmetric versatile dihalogenation of alkenes and alkynes. <i>Nature Catalysis</i> , 2021, 4, 692-702.	16.1	40
43	Enantioselective Cobalt-Catalyzed Cascade Hydrosilylation and Hydroboration of Alkynes to Access Enantioenriched 1,1-Silylboryl Alkanes. <i>Journal of the American Chemical Society</i> , 2021, 143, 13124-13134.	6.6	44
44	Organocatalytic Enantioselective Construction of Chiral Azepine Skeleton Bearing Multipleâ€“Stereogenic Elements. <i>Angewandte Chemie</i> , 2021, 133, 21656-21663.	1.6	15
45	Atroposelective Synthesis of Conjugated Diene-Based Axially Chiral Styrenes via Pd(II)-Catalyzed Thioether-Directed Alkenyl Câ€“H Olefination. <i>Journal of the American Chemical Society</i> , 2021, 143, 12335-12344.	6.6	97
46	Diversity-Oriented Enantioselective Construction of Atropisomeric Heterobiaryls and <i>N</i> -Aryl Indoles via Vinylidene <i>Ortho</i> -Quinone Methides. <i>CCS Chemistry</i> , 2022, 4, 2686-2697.	4.6	51
47	Chiral Phosphoric Acid Catalyzed Atroposelective Câ”H Amination of Arenes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6775-6779.	7.2	139
48	Asymmetric dearomatization catalysed by chiral Brønsted acids via activation of ynamides. <i>Nature Chemistry</i> , 2021, 13, 1093-1100.	6.6	77
49	Stereochemical Control via Chirality Pairing: Stereodivergent Syntheses of Enantioenriched Homoallylic Alcohols. <i>Angewandte Chemie</i> , 2021, 133, 24298-24308.	1.6	8
50	Rhodiumâ€“Catalyzed Atroposelective Access to Axially Chiral Olefins via Câ”H Bond Activation and Directing Group Migration. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	15
51	Stereochemical Control via Chirality Pairing: Stereodivergent Syntheses of Enantioenriched Homoallylic Alcohols. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24096-24106.	7.2	28
52	Development of Axially Chiral Styrene-Type Carboxylic Acid Ligands via Palladium-Catalyzed Asymmetric Câ€“H Alkynylation. <i>Organic Letters</i> , 2021, 23, 8132-8137.	2.4	34
53	Rhodiumâ€“Catalyzed Atroposelective Access to Axially Chiral Olefins via Câ”H Bond Activation and Directing Group Migration. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	77
54	Synthesis of axially chiral compounds through catalytic asymmetric reactions of alkynes. <i>Chem Catalysis</i> , 2021, 1, 1378-1412.	2.9	48
55	Rational Design of Axially Chiral Styreneâ€“Based Organocatalysts and Their Application in Catalytic Asymmetric (2+4) Cyclizations. <i>Angewandte Chemie</i> , 0, , e202112226.	1.6	9
56	Rational Design of Axially Chiral Styreneâ€“Based Organocatalysts and Their Application in Catalytic Asymmetric (2+4) Cyclizations. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202112226.	7.2	49
57	Organocatalytic Atroposelective Synthesis of Nâ”N Axially Chiral Indoles and Pyrroles by De Novo Ring Formation. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	13

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58	Construction of Axially Chiral Styrenes Linking an Indole Moiety by Chiral Phosphoric Acid. <i>Journal of Organic Chemistry</i> , 2022, 87, 2853-2863.	1.7	17
59	Construction of axially chiral styrene-type allyl amines <i>via</i> chiral phosphoric acid-catalyzed asymmetric reductive amination. <i>Organic Chemistry Frontiers</i> , 2022, 9, 764-770.	2.3	12
60	Chiral Phosphoric Acid Catalyzed Conversion of Epoxides into Thiiranes: Mechanism, Stereochemical Model, and New Catalyst Design. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	19
61	Organocatalytic atroposelective construction of axially chiral nonsymmetric biaryltriols and their applications in asymmetric synthesis and heavy metal ion detection. <i>Organic Chemistry Frontiers</i> , 0, , .	2.3	7
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63	Access to axially chiral styrenes via a photoinduced asymmetric radical reaction involving a sulfur dioxide insertion. <i>Chem Catalysis</i> , 2022, 2, 164-177.	2.9	53
64	Chiral Phosphoric Acid Catalyzed Conversion of Epoxides into Thiiranes: Mechanism, Stereochemical Model, and New Catalyst Design. <i>Angewandte Chemie</i> , 0, , .	1.6	6
65	Organocatalytic Atroposelective Synthesis of N-axially Chiral Indoles and Pyrroles by De Novo Ring Formation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	97
66	Divergent Synthesis of [3,4]-Fused 3-Alkenyl-Oxindoles via Propargyl Alcohol-Triggered C(sp ³)-H Functionalization. <i>ACS Catalysis</i> , 2022, 12, 943-952.	5.5	38
67	Design and Application of Axially Chiral Styrene-Based Thiourea-Tertiary Amine Catalysts. <i>Chinese Journal of Organic Chemistry</i> , 2022, 42, 654.	0.6	9
68	Organocatalytic enantioselective construction of axially chiral (1 <i>H</i>)-isochromen-1-imines. <i>Organic and Biomolecular Chemistry</i> , 2022, , .	1.5	2
69	Atroposelective construction of axially chiral enamides <i>via</i> N-allylic alkylation. <i>Chemical Communications</i> , 2022, 58, 4727-4730.	2.2	2
70	An Isolable Vinylidene <i>ortho</i> -Quinone Methide: Synthesis, Structure and Reactivity. <i>Angewandte Chemie</i> , 0, , .	1.6	5
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72	Chelation-Controlled Stereospecific Cross-Coupling Reaction between Alkenes for Atroposelective Synthesis of Axially Chiral Conjugated Dienes. <i>Organic Letters</i> , 2022, 24, 1979-1984.	2.4	19
73	An Isolable Vinylidene <i>ortho</i> -Quinone Methide: Synthesis, Structure and Reactivity. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	22
74	Enantioselective Rh-Catalyzed Azide-Internal-Alkyne Cycloaddition for the Construction of Axially Chiral 1,2,3-Triazoles. <i>Journal of the American Chemical Society</i> , 2022, 144, 6981-6991.	6.6	36
75	Organocatalytic Enantioselective Construction of Spiroketal Lactones Bearing Axial and Central Chirality via an Asymmetric Domino Reaction. <i>Organic Letters</i> , 2022, 24, 2978-2982.	2.4	12

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76	Palladium-catalyzed Enantioselective β -Arylation of β -Unsaturated Butenolides. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	12
77	Palladium-catalyzed Enantioselective β -Arylation of β -Unsaturated Butenolides. <i>Angewandte Chemie</i> , 0, , .	1.6	3
78	Asymmetric Azide-Alkyne Cycloaddition with Ir(I)/Squaramide Cooperative Catalysis: Atroposelective Synthesis of Axially Chiral Aryltriazoles. <i>Journal of the American Chemical Society</i> , 2022, 144, 6200-6207.	6.6	38
79	Atroposelective Construction of Nine-membered Carbonate-bridged Biaryls. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	12
80	Atroposelective Construction of Nine-membered Carbonate-bridged Biaryls. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	33
82	Enantioselective Cu-catalyzed double hydroboration of alkynes to access chiral gem-diborylalkanes. <i>Nature Communications</i> , 2022, 13, .	5.8	17
83	Enantioselective Friedel-Crafts Reaction of 2-Alkynylphenols with Aromatic Ethers by Chiral Brønsted Acid Catalysis. <i>Journal of Organic Chemistry</i> , 0, , .	1.7	2
84	The Rational Design and Atroposelective Synthesis of Axially Chiral C ₂ -Arylpyrrole-derived Amino Alcohols. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	2
85	The Rational Design and Atroposelective Synthesis of Axially Chiral C ₂ -Arylpyrrole-derived Amino Alcohols. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	25
86	Synthesis of aryl-fused 1,4-oxathiepinines from pyridinium 1,4-zwitterionic thiolates and vinylidene <i>ortho</i> -quinone methides. <i>Organic Chemistry Frontiers</i> , 2022, 9, 4612-4618.	2.3	11
87	Modular Construction of Heterobiaryl Atropisomers and Axially Chiral Styrenes via All-carbon Tetrasubstituted VQMs. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	29
88	Modular Construction of Heterobiaryl Atropisomers and Axially Chiral Styrenes via All-carbon Tetrasubstituted VQMs. <i>Angewandte Chemie</i> , 0, , .	1.6	1
89	Asymmetric allylic substitution-isomerization for accessing axially chiral vinylindoles by intramolecular π - π stacking interactions. <i>Cell Reports Physical Science</i> , 2022, 3, 101005.	2.8	13
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94	Palladium-catalyzed asymmetric hydrophosphination of internal alkynes: Atroposelective access to phosphine-functionalized olefins. <i>Chem</i> , 2022, 8, 3346-3362.	5.8	41

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96	Organocatalytic Enantioselective Synthesis of Axially Chiral Molecules: Development of Strategies and Skeletons. <i>Accounts of Chemical Research</i> , 2022, 55, 2920-2937.	7.6	96
97	Asymmetric Construction of an Aryl-Alkene Axis by Palladium-Catalyzed Suzuki-Miyaura Coupling Reaction. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	19
98	Synthesis of Benzofurans from Sulfur Ylides and <i>ortho</i> -Hydroxy-Functionalized Alkynes. <i>Advanced Synthesis and Catalysis</i> , 0, , .	2.1	5
99	Asymmetric Construction of Aryl-Alkene Axis by Palladium-Catalyzed Suzuki-Miyaura Coupling Reaction. <i>Angewandte Chemie</i> , 0, , .	1.6	1
100	Enantioselective construction of axially chiral cyclohexylidene scaffolds via Pd-catalyzed asymmetric coupling reaction. <i>Chem Catalysis</i> , 2022, 2, 3196-3206.	2.9	5
101	The Application of 2-Naphthols in Asymmetric Synthesis of Atropisomers. <i>Synlett</i> , 2022, 33, 1991-2003.	1.0	3
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103	A Dynamic Kinetic Resolution Approach to Axially Chiral Diaryl Ethers by Catalytic Atroposelective Transfer Hydrogenation. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	4
104	Asymmetric Hydrophosphinylation of Alkynes: Facile Access to Axially Chiral Styrene-Phosphines. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	16
105	Divergent Coupling of <i>ortho</i> -Alkynyl naphthols and Benzofurans: [4 + 2] Cycloaddition and Friedel-Crafts Reaction. <i>Journal of Organic Chemistry</i> , 0, , .	1.7	2
106	A Dynamic Kinetic Resolution Approach to Axially Chiral Diaryl Ethers by Catalytic Atroposelective Transfer Hydrogenation. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	25
107	Asymmetric Hydrophosphinylation of Alkynes: Facile Access to Axially Chiral Styrene-Phosphines. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	0
108	Synthesis of axially chiral alkenylboronates through combined copper- and palladium-catalysed atroposelective arylboration of alkynes. , 2023, 2, 140-151.		23
109	Role of Chiral Skeleton in Chiral Phosphoric Acids Catalyzed Asymmetric Transfer Hydrogenation: A DFT Study. <i>Catalysts</i> , 2023, 13, 98.	1.6	1
110	Protein engineering strategies for tailoring the physical and catalytic properties of enzymes for defined industrial applications. <i>Current Protein and Peptide Science</i> , 2023, 24, .	0.7	0
111	Synthetic strategies and mechanistic studies of axially chiral styrenes. <i>Chem Catalysis</i> , 2023, 3, 100594.	2.9	11
112	Enantioselective Access to Triaryl-2-pyrone with Monoaxial or Contiguous C-C Diaxes via Oxidative NHC Catalysis. <i>ACS Catalysis</i> , 2023, 13, 2565-2575.	5.5	18

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113	Mechanistic Features of Asymmetric Vinylidene <i>ortho</i> -Quinone Methide Construction and Subsequent Transformations. <i>ACS Catalysis</i> , 2023, 13, 2957-2967.	5.5	5
114	Control of Axial Chirality through NiH-Catalyzed Atroposelective Hydrofunctionalization of Alkynes. <i>ACS Catalysis</i> , 2023, 13, 3841-3846.	5.5	18
115	Synthesis of quinol-type heterobiaryls via an acid-catalyzed heteroannulation of alkynes and <i>ortho</i> -aminobenzaldehydes. <i>Organic Chemistry Frontiers</i> , 2023, 10, 1936-1941.	2.3	2
116	Brønsted acid-catalyzed asymmetric dearomatization for synthesis of chiral fused polycyclic enone and indoline scaffolds. <i>Science Advances</i> , 2023, 9, .	4.7	5
117	Atroposelective Synthesis of Axially Chiral Styrenes Connecting an Axially Chiral Naphthyl-indole Moiety Using Chiral Phosphoric Acid Catalysis. <i>Organic Letters</i> , 2023, 25, 2068-2072.	2.4	6
118	Chiral Boron-Phosphate Catalyzed Asymmetric Transfer Hydrogenation of α -Enal Substituted β -Naphthols: Access to Axially Chiral Styrene-Type Allyl alcohols. <i>Advanced Synthesis and Catalysis</i> , 2023, 365, 1398-1404.	2.1	1
119	Nickel-Catalyzed Asymmetric Cross-Electrophile <i>trans</i> -Aryl-Benzoylation of β -Naphthyl Propargylic Alcohols. <i>ACS Catalysis</i> , 2023, 13, 6795-6803.	5.5	6