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## The Pictet-Spengler Reaction Updates Its Habits

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#	Paper	IF	Citations
41	Recent evolution on synthesis strategies and anti-leishmanial activity of $\beta$ -carboline derivatives - An update. <i>Heliyon</i> , <b>2020</b> , 6, e04916	3.6	5
40	Naturally-Occurring Alkaloids of Plant Origin as Potential Antimicrobials against Antibiotic-Resistant Infections. <i>Molecules</i> , <b>2020</b> , 25,	4.8	16
39	Pictet-Spengler reaction based on in situ generated $\beta$ -amino iminium ions through the Heyns rearrangement. <i>Organic Chemistry Frontiers</i> , <b>2020</b> , 7, 3242-3246	5.2	2
38	Editorial to the Special Issue "Total Synthesis of Natural Products: A Themed Issue Dedicated to Professor Dr. Dieter Schinzer for His 65th Birthday". <i>Molecules</i> , <b>2020</b> , 25,	4.8	
37	The scaffold-forming steps of plant alkaloid biosynthesis. <i>Natural Product Reports</i> , <b>2021</b> , 38, 103-129	15.1	40
36	A unique high-diversity natural product collection as a reservoir of new therapeutic leads. <i>Organic Chemistry Frontiers</i> , <b>2021</b> , 8, 996-1025	5.2	6
35	The stereospecific and enantiospecific synthesis of indole alkaloids which culminated in the ambidextrous Pictet-Spengler reaction for the C-19 methyl-substituted sarpagine family. <i>Progress in Heterocyclic Chemistry</i> , <b>2021</b> , 1-26	0.8	1
34	Novel, Chiral, and Enantiopure C2-Symmetric Thioureas Promote Asymmetric Protio-Pictet-Spengler Reactions by Anion-Binding Catalysis. <i>European Journal of Organic Chemistry</i> , <b>2021</b> , 2021, 825-829	3.2	3
33	Stereospecific N-acylation of indoles and corresponding microwave mediated synthesis of pyrazinoindoles using hexafluoroisopropanol. <i>Tetrahedron</i> , <b>2021</b> , 84, 132017	2.4	8
32	Enzymkatalysierte späte Modifizierungen: Besser spät als nie. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 16962-16993	3.6	4
31	Practical Stereoselective Synthesis of C3-Spirooxindole- and C2-Spiropseudoindoxyl-Pyrrolidines via Organocatalyzed Pictet-Spengler Reaction/Oxidative Rearrangement Sequence. <i>Advanced Synthesis and Catalysis</i> , <b>2021</b> , 363, 2648-2663	5.6	3
30	Structure Revision of Protoaculeine B, a Post-translationally Modified N-Terminal Residue in the Peptide Toxin Aculeine B. <i>Journal of Natural Products</i> , <b>2021</b> , 84, 1203-1209	4.9	0
29	Synthetic Approaches Towards the Synthesis of C-1 Azole Substituted Tetrahydroisoquinolines. <i>Current Organic Chemistry</i> , <b>2021</b> , 25, 519-528	1.7	
28	Enzymatic Late-Stage Modifications: Better Late Than Never. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 16824-16855	16.4	22
27	Gold-Catalyzed Carboamination of Allenes by Tertiary Amines Proceeding with Benzylic Group Migration. <i>Advanced Synthesis and Catalysis</i> , <b>2021</b> , 363, 2893-2902	5.6	3
26	Wittig Reactions of Maleimide-Derived Stabilized Ylides with Alkyl Pyruvates: Concise Approach to Methyl Ester of ( $\beta$ )-Chaetogline A. <i>Synthesis</i> , <b>2021</b> , 53, 2897-2902	2.9	
25	Au(I)-Catalyzed Pictet-Spengler Reactions All around the Indole Ring. <i>Journal of Organic Chemistry</i> , <b>2021</b> , 86, 6406-6422	4.2	2

24	Heterocycles as a Peptidomimetic Scaffold: Solid-Phase Synthesis Strategies. <i>Pharmaceuticals</i> , <b>2021</b> , 14,	5.2	2
23	A review on Ecaboline alkaloids and their distribution in foodstuffs: A class of potential functional components or not?. <i>Food Chemistry</i> , <b>2021</b> , 348, 129067	8.5	6
22	Metal-Free Synthetic Shortcut to Octahydro-Dipyrroloquinoline Skeletons from 2,5-Cyclohexadienone Derivatives and L-Proline. <i>Journal of Organic Chemistry</i> , <b>2021</b> , 86, 10397-10406	4.2	0
21	Tunable and Cooperative Catalysis for Enantioselective Pictet-Spengler Reaction with Varied Nitrogen-Containing Heterocyclic Carboxaldehydes. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 24573-24581	16.4	4
20	Tunable and Cooperative Catalysis for Enantioselective Pictet-Spengler Reaction with Varied Nitrogen-Containing Heterocyclic Carboxaldehydes. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 24778	3.6	2
19	Enantioselective synthesis of 1-aminoindene derivatives asymmetric Brønsted acid catalysis. <i>Chemical Communications</i> , <b>2021</b> , 57, 9680-9683	5.8	1
18	Chemoenzymatic One-Pot Process for the Synthesis of Tetrahydroisoquinolines. <i>Catalysts</i> , <b>2021</b> , 11, 1389	4	0
17	Enantioselective Pictet-Spengler Reaction of Acyclic $\beta$ -Ketoesters Using Chiral Imidazoline-Phosphoric Acid Catalysts.. <i>Organic Letters</i> , <b>2022</b> ,	6.2	9
16	<del>2-(1H-imidazol-2-yl)ethane-1-thiol</del> <del>2-(1H-imidazol-2-yl)ethane-1-thiol</del> Reports National Academy of Science of Ukraine, <b>2022</b> , 92-98	0.2	
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14	Total Synthesis of 12,13-Dibenzyl-Banistenoside B and Analogs. <i>European Journal of Organic Chemistry</i> ,	3.2	
13	Highly Stereoselective Ugi/Pictet-Spengler Sequence.. <i>Journal of Organic Chemistry</i> , <b>2022</b> ,	4.2	1
12	Selective Deconstructive Lactamization of the Indolo[2,3-a]quinolizine Skeleton for the Total Synthesis of (+) and (-)-Cuscutamine. <i>European Journal of Organic Chemistry</i> ,	3.2	
11	Tandem Asymmetric Cycloaromatization/intramolecular Pictet-Spengler-type Reaction. An Entry to Polycyclic Pyrroles. <i>Advanced Synthesis and Catalysis</i> ,	5.6	
10	SAR studies toward discovery of emvododstat (PTC299), a potent dihydroorotate dehydrogenase (DHODH) inhibitor. <b>2022</b> , 114826		0
9	Versatile access to nitrogen-rich Eextended indolocarbazoles via a Pictet-Spengler approach.		0
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- 6 Enantioselective Imine Reduction of Dihydro- $\beta$ -Carbolines by Fe-Thiosquaramide Catalyst. **2022**, 24, 7627-7631 ○
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- 4 Polymer-Supported Phosphoric-Acid Catalysed Enantioselective Pictet-Spengler Cyclisation for the Synthesis of Quaternary Tryptolines in Batch/Continuous Flow. ○
- 3 Mechanism of a Dually Catalyzed Enantioselective Oxa-Pictet-Spengler Reaction and the Development of a Stereodivergent Variant. 2240-2249 ○
- 2 Pentafluorophenol (C<sub>6</sub>F<sub>5</sub>OH) Catalyzed Pictet-Spengler Reaction: A Facile and Metal-Free Approach Towards Tetrahydro- $\beta$ -Carbolines. ○
- 1 On Water Pictet-Spengler Reaction of Tryptophan followed by Buchwald Coupling for the Synthesis of Natural Products Stellarines A, B and  $\beta$ -Carboline Derivatives: Their Molecular Docking against SARS-CoV-2 M Pro. **2023**, 8, ○