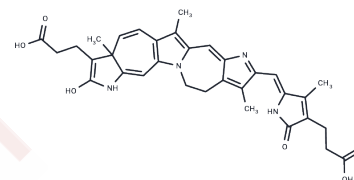


Sarpedobilin

Chemical Properties

CAS No. :	39290-30-7
Formula:	C ₃₃ H ₃₄ N ₄ O ₆
Molecular Weight:	582.65
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Sarpedobilin is a doubly cyclized bile pigment. It is found in butterflies.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7163 mL	8.5815 mL	17.163 mL
5 mM	0.3433 mL	1.7163 mL	3.4326 mL
10 mM	0.1716 mL	0.8581 mL	1.7163 mL
50 mM	0.0343 mL	0.1716 mL	0.3433 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Barbier M. A new sarpedobilin-containing butterfly *Papilio graphium stresemani stresemani* and its bioecological situation within the species. *J Chem Ecol.* 1990 Mar;16(3):743-8. doi: 10.1007/BF01016485. PubMed PMID: 24263590.
- Bois-Choussy M, Barbier M. Biosynthesis of the bile pigment sarpedobilin from [14C]pterobilin by *Papilio sarpedon* (Lepidoptera). *Biochem Biophys Res Commun.* 1983 Feb 10;110(3):779-82. PubMed PMID: 6838551.
- Yamada H, Kato Y. Green colouration of cocoons in *Antheraea yamamai* (Lepidoptera: Saturniidae): light-induced production of blue bilin in the larval haemolymph. *J Insect Physiol.* 2004 May;50(5):393-401. PubMed PMID: 15121452.
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