Data Sheet (Cat.No.T32982)

TargetMol

Luteoskyrin

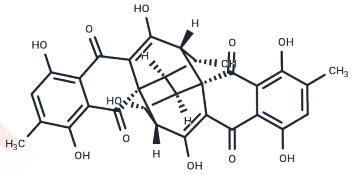
Chemical Properties

CAS No. : 21884-44-6

Formula: C30H22O12

Molecular Weight: 574.49

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	Luteoskyrin is a hepatotoxic and hepatocarcinogenic bisdihydroanthraquinone produced by Penicillium islandicum Sopp.
Targets(IC50)	Others,Antibacterial,Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7407 mL	8.7034 mL	17.4067 mL
5 mM	0.3481 mL	1.7407 mL	3.4813 mL
10 mM	0.1741 mL	0.8703 mL	1.7407 mL
50 mM	0.0348 mL	0.1741 mL	0.3481 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

Masuda T, Ito J, Akuzawa S, Ishii K, Takagi H, Ueno Y. Hepatic accumulation and hepatotoxicity of luteoskyrin in mice. Toxicol Lett. 1992 Jun;61(1):9-20. PubMed PMID: 1609444.

Tseng HH, Tseng TC. Effects of naled and dichlorvos on growth and production of Luteoskyrin byPenicillium islandicum. Mycotoxin Res. 1993 Mar;9(1):35-40. doi: 10.1007/BF03192230. PubMed PMID: 23606065.

Ueno Y, Ishikawa I. Production of luteoskyrin, a hepatotoxic pigment, by Penicillium islandicum Sopp. Appl Microbiol. 1969 Sep;18(3):406-9. PubMed PMID: 5373676; PubMed Central PMCID: PMC377994.

Ueno I, Sekijima M, Hoshino M, Ohya-Nishiguchi H, Ueno Y. Spin-trapping and direct EPR investigations on the hepatotoxic and hepatocarcinogenic actions of luteoskyrin, an anthraquinoid mycotoxin produced by Penicillium islandicum Sopp. Generations of superoxide anion and luteoskyrin semiquinone radical in the redox systems consisted of luteoskyrin and liver NADPH- or NADH-dependent reductases. Free Radic Res. 1995 Jul;23(1):41-50. PubMed PMID: 7647918.

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