Data Sheet (Cat.No.T32751)

TargetMol

Ligularidine

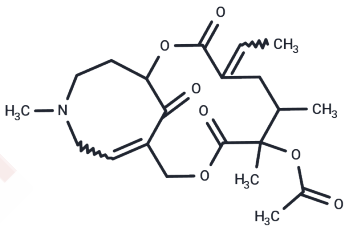
Chemical Properties

CAS No. : 60872-63-1

Formula: C21H29NO7

Molecular Weight: 407.46

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	Ligularidine is a pyrrolizidine alkaloid.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4542 mL	12.2711 mL	24.5423 mL
5 mM	0.4908 mL	2.4542 mL	4.9085 mL
10 mM	0.2454 mL	1.2271 mL	2.4542 mL
50 mM	0.0491 mL	0.2454 mL	0.4908 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

Yamanaka H, Nagao M, Sugimura T, Furuya T, Shirai A, Matsushima T. Mutagenicity of pyrrolizidine alkaloids in the Salmonella/mammalian-microsome test. Mutat Res. 1979 Nov;68(3):211-6. PubMed PMID: 390394.

Mroczek T, Ndjoko K, Głowniak K, Hostettmann K. On-line structure characterization of pyrrolizidine alkaloids in Onosma stellulatum and Emilia coccinea by liquid chromatography-ion-trap mass spectrometry. J Chromatogr A. 2004 Nov 12;1056(1-2):91-7. PubMed PMID: 15595537.

Mori H, Sugie S, Yoshimi N, Asada Y, Furuya T, Williams GM. Genotoxicity of a variety of pyrrolizidine alkaloids in the hepatocyte primary culture-DNA repair test using rat, mouse, and hamster hepatocytes. Cancer Res. 1985 Jul; 45(7):3125-9. PubMed PMID: 4005849.

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