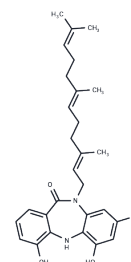


Diazepinomicin

Chemical Properties

CAS No. :	733035-26-2
Formula:	C ₂₈ H ₃₄ N ₂ O ₄
Molecular Weight:	462.58
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	Diazepinomicin is a secondary metabolite produced by <i>Micromonospora</i> sp. It inhibits the EGF-induced Ras-ERK MAPK signaling pathway and induces apoptosis. Diazepinomicin also is an anti-tumor agent for K-Ras mutant models.
Targets(IC50)	Apoptosis,Others,Ras

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1618 mL	10.8089 mL	21.6179 mL
5 mM	0.4324 mL	2.1618 mL	4.3236 mL
10 mM	0.2162 mL	1.0809 mL	2.1618 mL
50 mM	0.0432 mL	0.2162 mL	0.4324 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

Campbell PM, et al. TLN-4601 suppresses growth and induces apoptosis of pancreatic carcinoma cells through inhibition of Ras-ERK MAPK signaling. *J Mol Signal.* 2010 Nov 2;5:18.

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