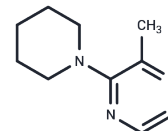


Modaline sulfate

Chemical Properties

CAS No. :	2856-75-9
Formula:	C10H17N3O4S
Molecular Weight:	275.33
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	Modaline was a 2-methyl-3-piperidinopyrazine derivative found to inhibit monoamine oxidase (MAO) and showed a curative effect for the anti-depressant. Similar to other MAO inhibitors, it enhanced convulsions induced by tryptamine and hyperthermia induced by dopa.
Targets(IC50)	MAO, Monoamine Oxidase

Solubility Information

Solubility	DMSO: 50 mg/mL (181.6 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.632 mL	18.160 mL	36.3201 mL
5 mM	0.7264 mL	3.632 mL	7.264 mL
10 mM	0.3632 mL	1.816 mL	3.632 mL
50 mM	0.0726 mL	0.3632 mL	0.7264 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

Tangri KK, et al. Jpn J Pharmacol. 1972 Oct;22(5):599-604.

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