Data Sheet (Cat.No.T40576)

TargetMol

(S)-Salsolidine

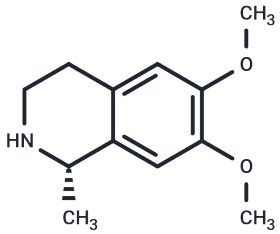
Chemical Properties

CAS No. : 493-48-1

Formula: C12H17NO2

Molecular Weight: 207.27

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	(S)-Salsolidine, a chemical compound, functions as a weak inhibitor of monoamine oxidase (MAO), exhibiting an inhibition constant (K i) of 63 μM. R enantiomer demonstrating a greater efficacy than (S)-Salsolidine, boasting a K i value of 26 μM compared to the S form.
Targets(IC50)	Others,Endogenous Metabolite,Monoamine Oxidase
In vitro	Salsolidine, a dopamine-derived tetrahydroisoquinoline alkaloid with an asymmetric center at C-1, exists in R and S enantiomers[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8246 mL	24.1231 mL	48.2462 mL
5 mM	0.9649 mL	4.8246 mL	9.6492 mL
10 mM	0.4825 mL	2.4123 mL	4.8246 mL
50 mM	0.0965 mL	0.4825 mL	0.9649 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

Dostert P, et al. Dopamine-derived alkaloids in alcoholism and in Parkinson's and Huntington's diseases. J Neural Transm. 1988;74(2):61-74.

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