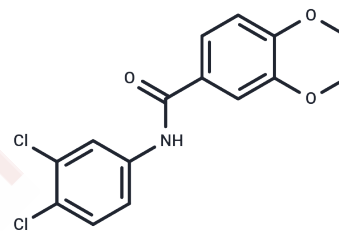


Monoamine Oxidase B inhibitor 4

Chemical Properties

CAS No. :	424794-91-2
Formula:	C ₁₅ H ₁₁ Cl ₂ N ₃ O
Molecular Weight:	324.16
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	Monoamine Oxidase B Inhibitor 4 (compound 1l), with a potent IC ₅₀ value of 8.3 nM, is a selective human monoamine oxidase-B (hMAO-B) inhibitor. This compound demonstrates anti-neuroinflammatory properties and exhibits low neurotoxicity. It effectively inhibits the release of NO, TNF- α , and IL-1 β induced by LPS and A β 1-42, and additionally mitigates the cytotoxic effects triggered by A β (1-42).
Targets(IC ₅₀)	Monoamine Oxidase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0849 mL	15.4245 mL	30.849 mL
5 mM	0.617 mL	3.0849 mL	6.1698 mL
10 mM	0.3085 mL	1.5424 mL	3.0849 mL
50 mM	0.0617 mL	0.3085 mL	0.617 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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