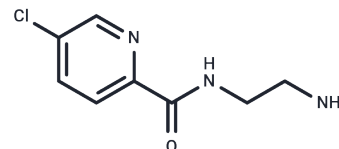


LAZABEMIDE

Chemical Properties

CAS No. : 103878-84-8
 Formula: C₈H₁₀ClN₃O
 Molecular Weight: 199.64
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Lazabemide (Ro 19-6327) is selective, reversible monoamine oxidase B (MAO-B) inhibitor (IC ₅₀ values are 0.03 and > 100 µM for MAO-B and MAO-A respectively).
Targets(IC ₅₀)	MAO, Monoamine Oxidase
In vitro	LAZABEMIDE is selective, high-affinity ligands for enzymes. ³ H-Ro 41 1049 in rat cerebral cortex were 10.7 nM and 7.38 pmol/mg protein, respectively, and for ³ H-Ro 19 6327 were 18.4 nM and 3.45 pmol/mg protein, respectively. In accordance with their potencies as enzyme inhibitors, binding to MAO-A and MAO-B was competitively inhibited by clorgyline (IC ₅₀ = 1.4 nM) and L-deprenyl (selegiline; IC ₅₀ = 8.0 nM), respectively[1].
In vivo	Lazabemide is a reversible inhibitor of monoamine oxidase B (MAO-B) with IC ₅₀ values of 0.48 and 1.5 µM measured in platelets of human subjects ages 19-36 and 60-78, respectively[2].

Solubility Information

Solubility	DMSO: 34 mg/mL (170.31 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.009 mL	25.0451 mL	50.0902 mL
5 mM	1.0018 mL	5.009 mL	10.018 mL
10 mM	0.5009 mL	2.5045 mL	5.009 mL
50 mM	0.1002 mL	0.5009 mL	1.0018 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.

Reference

Saura J, et al. Quantitative enzyme radioautography with 3H-Ro 41-1049 and 3H-Ro 19-6327 in vitro: localization and abundance of MAO-A and MAO-B in rat CNS, peripheral organs, and human brain. J Neurosci. 1992 May;12(5):

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