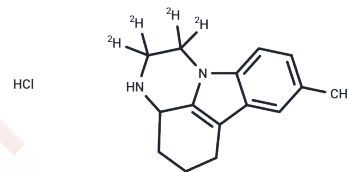


Pirlindole-D4 hydrochloride

Chemical Properties

CAS No. :	1801617-88-8
Formula:	C ₁₅ H ₁₅ D ₄ ClN ₂
Molecular Weight:	266.8054
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	Pirlindole-D4 hydrochloride is intended for use as an internal standard for the quantification of pirlindole by GC- or LC-MS. Pirlindole hydrochloride (T202905) is a selective and reversible monoamine oxidase A (MAO-A) inhibitor. It is selective for MAO-A over MAO-B. In rats, it reverses the depressive-like effects induced by chronic mild stress (CMS), increases proliferation of hippocampal neural progenitor cells, and reverses dendritic atrophy in granule neurons. Pirlindole is also an inhibitor of enterovirus-D68 and coxsackievirus B3 (CV-B3), inhibiting the genome replication phase of CV-B3 infection with an EC ₅₀ value of 7.7 μM independent of MAO-A activity.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.748 mL	18.7399 mL	37.4799 mL
5 mM	0.7496 mL	3.748 mL	7.496 mL
10 mM	0.3748 mL	1.874 mL	3.748 mL
50 mM	0.075 mL	0.3748 mL	0.7496 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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