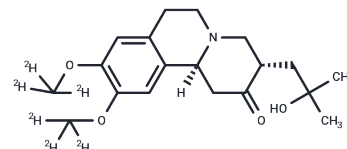


Deutetrabenazine metabolite M4

Chemical Properties

CAS No. : 1688661-95-1
Formula: C₁₉H₂₁D₆NO₄
Molecular Weight: 339.46
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Deutetrabenazine metabolite M4 is believed to be related to its effect as a reversible depletion of monoamines from nerve terminals. The major circulating metabolites of Deutetrabenazine, are reversible inhibitors of VMAT2, resulting in decreased uptake of monoamines into synaptic vesicles and depletion of monoamine stores.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9459 mL	14.7293 mL	29.4586 mL
5 mM	0.5892 mL	2.9459 mL	5.8917 mL
10 mM	0.2946 mL	1.4729 mL	2.9459 mL
50 mM	0.0589 mL	0.2946 mL	0.5892 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

Huntington Study Group, Frank S, Testa CM, et al. Effect of Deutetrabenazine on Chorea Among Patients With Huntington Disease: A Randomized Clinical Trial. JAMA. 2016 Jul 5;316(1):40-50. doi: 10.1001/jama.2016.8655.

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