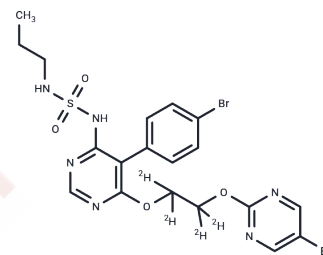


Macitentan-D4

Chemical Properties

CAS No. :	1258428-05-5
Formula:	C ₁₉ H ₂₀ Br ₂ N ₆ O ₄ S
Molecular Weight:	592.3
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Macitentan-D4 is a deuterated substitute for Macitentan (T2561) and can be used as a dual antagonist of the non-peptides ETA and ETB (endothelin receptor). Macitentan-D4 is less toxic than Macitentan, has a longer half-life, and can be used to study endothelin receptor-mediated diseases.
Targets(IC50)	Apoptosis, Endothelin Receptor

Solubility Information

Solubility	DMSO: 20 mg/mL (33.77 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6883 mL	8.4417 mL	16.8833 mL
5 mM	0.3377 mL	1.6883 mL	3.3767 mL
10 mM	0.1688 mL	0.8442 mL	1.6883 mL
50 mM	0.0338 mL	0.1688 mL	0.3377 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

Corallo C, et al. Bosentan and macitentan prevent the endothelial-to-mesenchymal transition (EndoMT) in systemic sclerosis: in vitro study. *Arthritis Res Ther.* 2016 Oct 6;18(1):228.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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