Macitentan-d_4

Cat. No.: HY-14184S

CAS No.: 1258428-05-5

Molecular Formula: $C_{19}H_{16}D_4Br_2N_6O_4S$

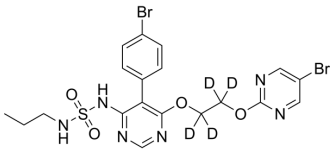
Molecular Weight: 592.3

Target: Endothelin Receptor; Apoptosis; Isotope-Labeled Compounds

Pathway: GPCR/G Protein; Apoptosis; Others

Storage: 4°C, sealed storage, away from moisture

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (168.83 mM; ultrasonic and warming and heat to 80°C)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Macitentan-d_4 is a deuterium labeled Sulfamethoxazole. Macitentan is an orally active, non-peptide dual ETA and ETB (endothelin) receptor antagonist. Macitentan has the potential for idiopathic pulmonary fibrosis (IPF) and pulmonary arterial hypertension (PAH)[1].

IC_{50} & Target	ET_A	ET_B

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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