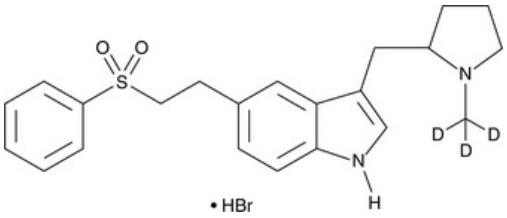
Product Data Sheet

Product Name: rac-Eletriptan-d3 (hydrobromide)
Cat. No.: GC49904

Chemical Properties

Cas. No.			
SMILES	O=S(CCC1=CC=C(NC=C2CC3N(C([2H])([2H])[2H])CCC3)C2=C1)(C4=CC=CC=C4)=O.Br		
Formula	C22H23D3N2O2S • HBr	M.Wt	466.5
Solubility	DMSO: Soluble	Storage	-20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

rac-Eletriptan-d_3 is intended for use as an internal standard for the quantification of eletriptan by GC- or LC-MS. Eletriptan is an agonist of the serotonin (5-HT) receptor types 5-HT_{1B} and 5-HT_{1D}.[1] It inhibits forskolin-induced cAMP accumulation in and induces vasoconstriction of isolated rabbit common carotid artery rings (pD_2s = 7.6 and 4.9, respectively), an effect that can be blocked by the 5-HT_{1B} antagonist SB216641 but not the 5-HT_{1D} antagonist BRL15572. Eletriptan preferentially induces constriction of isolated human cerebral over coronary arteries (EC_{50}s = 15.8 and 1,995 nM, respectively).[2] Formulations containing eletriptan have been used in the treatment of migraine headache.

1.Akin, D., Onaran, H.O., and Gudal, H.Agonist-directed trafficking explaining the difference between response pattern of naratriptan and sumatriptan in rabbit common carotid arteryBr. J.

Caution: Product has not been fully validated for medical applications. For research use only.
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Pharmacol.136(2)171-176(2002) 2.Edvinsson, L., Uddman, E., Wackenfors, A., et al.Triptan-induced contractile (5-HT1B receptor) responses in human cerebral and coronary arteries: Relationship to clinical effectClin. Sci. (Lond.)109(3)335-342(2005)

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