

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

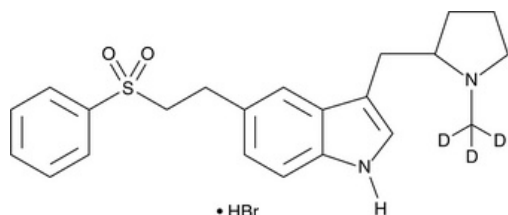
Formula C₂₂H₂₃D₃N₂O₂S • HBr M.Wt 466.5

Solubility DMSO: Soluble Storage -20°C

General For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT , or Condition blue ice upon request.

Structure



Background

rac-Eletriptan-d₃ 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 (pD₂s = 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 (EC₅₀s = 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 artery. Br. 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-HT_{1B} receptor) responses in human cerebral and coronary arteries: Relationship to clinical effectClin. Sci. (Lond.)109(3)335-342(2005)

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