Product Data Sheet

Product Name: Eletriptan hydrobromide
CAS No.: 177834-92-3
Cat. No.: HY-A0010
MWT: 463.43
Formula: C22H27BrN2O2S
Purity: >98%
Solubility: DMSO: > 10 mg/mL

Mechanisms: Pathways: GPCR/G protein; Target: 5-HT Receptor
Pathways: Neuronal Signaling; Target: 5-HT Receptor

Biological Activity:
Eletriptan HBr is a selective 5-HT1B and 5-HT1D receptor agonist with Ki of 0.92 nM and 3.14 nM, respectively.
IC50 value: 0.82 nM/3.14 nM (5-HT1B/5-HT1D, Ki) [1]
Target: 5-HT1B/5-HT1D

in vitro: [3H]Eletriptan has a total number of binding sites (Bmax) of 2478 fmol/mg and 1576 fmol/mg for 5-HT1B and 5-HT1D, respectively. [3H]Eletriptan has a significantly faster association rate (K(on) 0.249/min/nM) than [3H]sumatriptan (K(on) 0.024/min/nM) and a significantly slower off-rate (K(off) 0.027/min compared to 0.037/min for [3H]sumatriptan) [1]. Eletriptan induces concentration-dependent contractions of meningeal artery, coronary artery, and saphenous vein. The potency of Eletriptan is higher in meningeal artery than in coronary artery (86-fold) or saphenous vein (66-fold). The predicted contraction by Eletriptan (40 mg and 80 mg) and sumatriptan (100 mg) at free C(max) o...

References:

Caution: Not fully tested. For research purposes only

Medchemexpress LLC
www.medchemexpress.com

11 Deer Park Drive, Suite 102D Monmouth Junction, NJ 08852, USA
Tel: 609–228–6898 Fax: 609–228–5909 Email: info@medchemexpress.com Web: www.medchemexpress.com