

Almotriptan (malate)

Catalog No: tcsc2455



Available Sizes

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

181183-52-8

Formula:

$C_{21}H_{31}N_3O_7S$

Pathway:

Neuronal Signaling;GPCR/G Protein

Target:

5-HT Receptor;5-HT Receptor

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

PNU180638

Observed Molecular Weight:

469.55

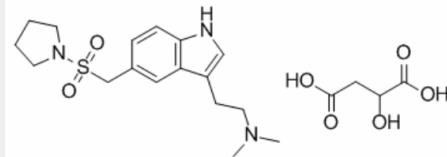
Product Description

Almotriptan Malate is a 5-HT_{1B/1D}-receptor agonist used to treat migraine.

IC₅₀:

Target: 5-hydroxytryptamine_{1B/1D} (5-HT_{1B/1D}) Receptor

Almotriptan Malate is a selective 5-hydroxytryptamine_{1B/1D} (5-HT_{1B/1D}) receptor agonist, used for the treatment of Migraine attacks in adults. Almotriptan showed low nanomolar affinity for the 5-HT_{1B} and 5-HT_{1D} receptors in several species, including the human, while affinity for 5-HT receptors other than 5-HT_{1B/1D} was clearly less. Almotriptan did not exhibit significant affinity for several non-5-HT receptors studied up to 100 microM. Almotriptan inhibited forskolin-stimulated cyclic AMP accumulation in HeLa cells transfected with 5-HT_{1B} or 5-HT_{1D} human receptors [1]. Almotriptan had a mild antiemetic effect and a slight, transient diuretic effect in dogs, although the latter effect is probably of no clinical relevance. In addition, no effect on the respiratory system of conscious guinea pigs was observed following almotriptan treatment. These results indicate that almotriptan has a favourable safety profile with respect to the central nervous, renal and respiratory systems [2].



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