

Sarpogrelate (hydrochloride)

Catalog No: tcsc2916



Available Sizes

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

135159-51-2

Formula:

$C_{24}H_{32}ClNO_6$

Pathway:

Neuronal Signaling;GPCR/G Protein

Target:

5-HT Receptor;5-HT Receptor

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 62 mg/mL (133.06 mM)

Alternative Names:

MCI-9042

Observed Molecular Weight:

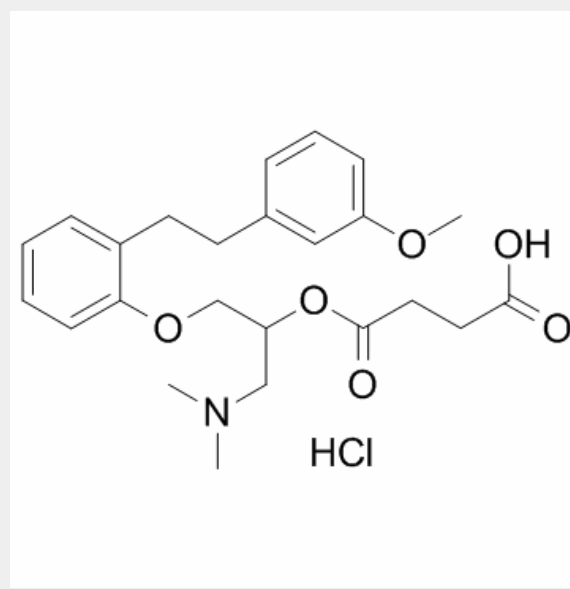
465.97

Product Description

Sarpogrelate(MCI-9042) hydrochloride, a selective 5-HT₂ antagonist, has been widely used as an anti-platelet agent for the treatment of PAD.

Target: 5-HT₂ Receptor

Sarpogrelate is a drug which acts as an antagonist at the 5HT_{2A} and 5-HT_{2B} receptors. Sarpogrelate was shown to have the same affinity as ritanserin for 5-HT_{2A} receptors, with a K_i value of 8.39 nM [1]. Sarpogrelate lacked prominent 5-HT₁-like, 5-HT₃, beta, H₁, H₂ and M₃ antagonist activity and weakly blocked alpha 1-adrenoceptors (pK_B = 6.30). (S)-M-1 showed weak affinity for 5-HT₁-like receptors (pK_B = 6.30), alpha 1- (pK_B = 6.80) and beta- (pK_B = 6.54) adrenoceptors, while (R)-M-1 was a weak antagonist at histamine H₁ receptors (pK_B = 6.49) [2]. After 12 weeks of sarpogrelate administration, FBF and LBF responses during RH showed significant increases from 13.2 +/- 1.7 to 18.1 +/- 2.2 mL/min per 100 mL tissue (P



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!