

Vanoxerine

Catalog No: tcsc2714



Available Sizes

Size: 10mg

Size: 50mg



Specifications

CAS No:

67469-69-6

Formula:

$C_{28}H_{32}F_2N_2O$

Pathway:

Neuronal Signaling

Target:

Dopamine Transporter

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

GBR 12909;I893

Observed Molecular Weight:

450.56

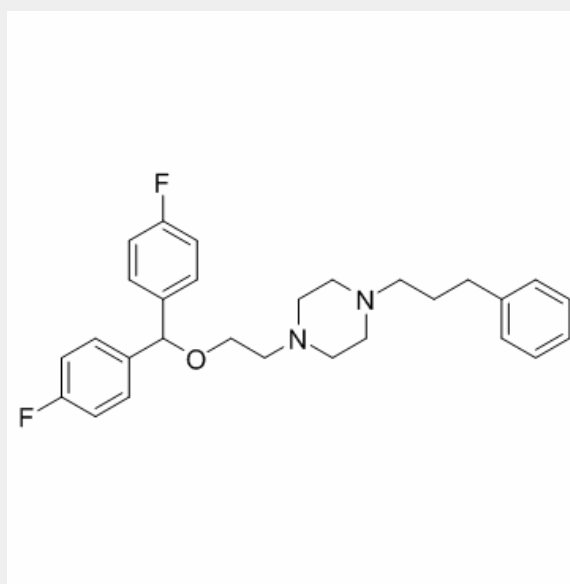
Product Description

Vanoxerine (GBR12909) is a potent and selective DRI (Dopamine reuptake inhibitor).

IC50 value:

Target: Dopamine reuptake inhibitor

At a cellular level, vanoxerine acts to block cardiac ion channels. Vanoxerine is a multichannel blocker, acting on IKr (potassium), L-type calcium and sodium ion channels.[14] By blocking these specific channels, there is a prolongation of the action potential of the cell, preventing reactivation by a reentrant circuit. The block is strongly frequency dependant: as the pacing of the heart increases so does the frequency of ion channel blocking by vanoxerine. Vanoxerine is a potentially effective treatment for cardiac arrhythmias. A significant cause of cardiac arrhythmias is reentry, an electrophysiologic event in which the proliferating signal that refuses to terminate, and endures to reexcite the heart after the refractory period.



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