

Clomipramine (hydrochloride)

Catalog No: tcsc2568



Available Sizes

Size: 100mg

Size: 500mg



Specifications

CAS No:

17321-77-6

Formula:

$C_{19}H_{24}Cl_2N_2$

Pathway:

Neuronal Signaling;GPCR/G Protein;Neuronal Signaling

Target:

Serotonin Transporter;Dopamine Receptor;Dopamine Receptor

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

351.31

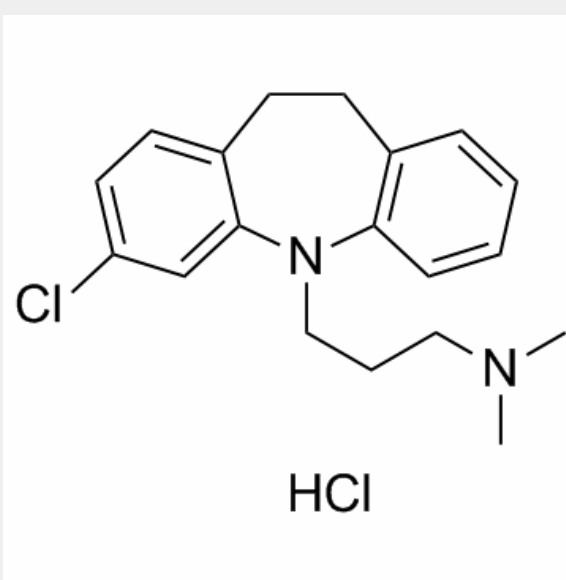
Product Description

Clomipramine HCl is a serotonin transporter (SERT), norepinephrine transporter (NET) dopamine transporter (DAT) blocker with Ki of 0.14, 54 and 3 nM, respectively.

Target: 5-HT Receptor

Clomipramine hydrochloride (Anafranil) is a hydrochloride salt of clomipramine which is a serotonin transporter (SERT),

norepinephrine transporter (NET) dopamine transporter (DAT) blocker with K_i of 0.14, 54 and 3 nM, respectively. Clomipramine hydrochloride (Anafranil) is a tricyclic antidepressant. Clomipramine hydrochloride (Anafranil) is a norepinephrine-reuptake inhibitor and is an antiobsessional drug. Clomipramine hydrochloride (Anafranil) is an antagonist/inverse agonist at the following receptors: D2 receptor (K_i = 162 nM), D3 receptor (K_i = 30 nM), α 1-adrenergic receptor (K_i = 3.2 nM), α 2-adrenergic receptor (K_i = 525 nM), H1 receptor (K_i = 31 nM), mACh receptors (K_i = 37 nM), 5-HT_{2A} receptor (K_i = 36 nM), 5-HT_{2C} receptor (K_i = 65 nM), 5-HT₃ receptor (K_i = 85 nM), 5-HT₆ receptor (K_i = 54 nM), 5-HT₇ receptor (K_i = 127 nM), D1 receptor (K_i = 219 nM) [1-3].



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