

Clozapine, Dopamine D2/D4 antagonist

Catalog	Unit
TBI1140-100MG	100 mg
TBI1140-500MG	500 mg

Product Details

Formal Name: 8-Chloro-11-(4-methyl-1-piperazinyl)-5H-dibenzo[b,e]diazepine

Molecular Formula: C₁₈H₁₉ClN₄

Formula Weight: 326.82

CAS Number: 5786-21-0

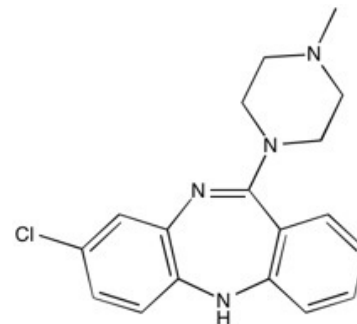
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 30 mg/ml).

Storage: RT

Stability: ≥ 1 year.



Applications

Dopamine D2/D4 antagonist

Functions

Dopamine D4 and D2 receptor antagonist. High affinity for the cloned rat dopamine D4 receptor ($K_i < 20$ nM). Atypical neuroleptic agent. Antagonist at 5HT_{2A}, 5HT_{2C}, 5HT₃, 5HT₆ and 5HT₇ receptors.

Application Procedures

First dissolved in DMSO (up to 30 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.