

Clozapine N-oxide, DREADD agonist

Catalog	Unit
TBI2578-5MG	5 mg
TBI2578-25MG	25 mg

Product Details

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

Molecular Formula: C₁₈H₁₉ClN₄O

Formula Weight: 342.82

CAS Number: 34233-69-7

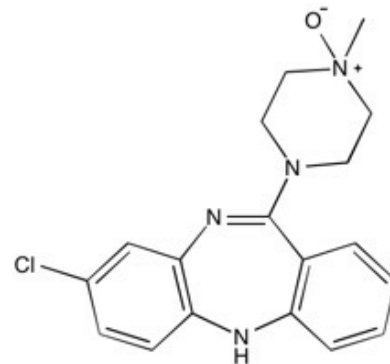
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 15 mg/ml) or in Ethanol (up to 3 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

DREADD agonist

Functions

Clozapine metabolite which is pharmacologically inert. Agonist at human muscarinic designer receptors known as DREADDs, (designer receptors exclusively activated by designer drug). May be used to control grafted human pluripotent stem cell-derived neurons engineered to express DREADDs. Numerous other applications.

Application Procedures

First dissolved in DMSO (up to 15 mg/ml) or in Ethanol (up to 3 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

For research use only.