Clozapine N-oxide

Major metabolite of clozapine

Clozapine N-oxide (CNO) is a major metabolite of clozapine (Prod. No. BML-D107). CNO activates designer receptors exclusively activated by designer drugs (DREADDs) that are derived from human muscarinic acetylcholine receptors ($M_{1\text{-}5}D$ receptors).

Clozapine is an antipsychotic medication used in the treatment of schizophrenia, and is also sometimes used off-label for the treatment of bipolar disorder and borderline personality disorder. It is on the World Health Organization's List of Essential Medicines, a list of the most important medication needed in a basic health system.

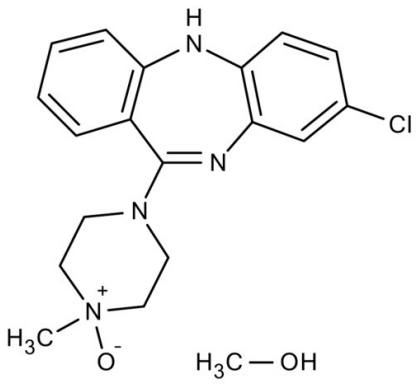
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BML-NS105-0005	5mg
BML-NS105-0025	25mg

Manuals, SDS & CofA View Online »

- High purity
- Active *in vitro*and *in vivo*
- Possesses little-to-no activity at 5-HT receptors


H
N
Cl
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N
+
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H3C
O
-
H3C — OH


Clozapine N-
Cat. No.: BML-N
Lot No.: 10242
Storage: Ambient
25 mg
MW 342.8
Enzo

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	Ambient
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	CNO
Appearance	Yellow solid.
CAS	34233-69-7
Formula	$C_{18}H_{19}ClN_4O$
Formulation	Contains 1 equivalent of methanol.
MW	342.8
Purity	≥99% (HPLC)
Solubility	Soluble in water (5mg/ml).
Source	Synthetic.

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