

Product Datasheet

CLOZAPINE N-OXIDE (orb1222345)

Catalog Number	orb1222345
Category	Small Molecules
Description	Clozapine N-oxide is a major metabolite of clozapine that can be detected in the earliest excretion time interval after clozapine administration. It is produced by the action of cytochrome P450 (CYP) isoforms CYP1A2 and CYP3A4, whose activities, in turn, can be affected by drugs and disease. Clozapine N-oxide is normally biologically inactive. However, it can be used in designer receptor exclusively activated by designer drugs, also known as DREADDs, technology to modulate synthetic receptors in vivo.
Target	Others
Purity	>98% (HPLC)
MW	342.82
Solubility (25°C)	DMSO : ≥ 100 mg/mL 291.70 mM; Methanol : ≥ 28.6 mg/mL 83.43 mM H2O : 1 mg/mL 2.92 mM
CAS Number	34233-69-7
Formula	C ₁₈ H ₁₉ ClN ₄ O
SMILES	<chem>Clc1ccc2Nc4ccccc4C(=Nc2c1)N3CC[N+](=[O-])(C)CC3</chem>
Chemical Name	3-Chloro-6-(4-methyl-4-oxidopiperazin-4-ium-1-yl)-5H-benzo[b][1,4]benzodiazepine
Storage	Storage temperature: -20°C. Stability: ≥ 2 years
Note	For research use only
Expiration Date	12 months from date of receipt.

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713-2847
United States

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)