

Product Datasheet

Clozapine N-oxide dihydrochloride (orb1745121)

Catalog Number	orb1745121
Category	Small Molecules
Description	Clozapine N-oxide dihydrochloride is a blood-brain barrier permeable agonist for the chemogenetic DREADD receptors hM3Dq and hM4Di. It is a key research tool for targeted neuronal manipulation in studies of neural circuits, behavior, and diseases, applicable in both in vitro and in vivo experimental models.
Target	Dopamine Receptor,AChR,Drug Metabolite,Cholinesterase (ChE)
Purity	98.11% (May vary between batches)
MW	415.74
Target Areas	Cholinesterase (ChE) Dopamine Receptor AChR Drug Metabolite
Solubility (25°C)	10% DMSO+40% PEG300+5% Tween 80+45% Saline:10 mg/mL (24.05 mM);H2O:50 mg/mL (120.27 mM);DMSO:200 mg/mL (481.07 mM)
CAS Number	2250025-93-3
Formula	C ₁₈ H ₂₁ Cl ₃ N ₄ O
SMILES	<chem>C[N+]1(CCN(C2=NC3=CC(Cl)=CC=C3NC4=C2C=CC=C4)CC1)[O-].Cl.Cl</chem>
Storage	-20°C
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)