

Product Information

Calmidazolium chloride

Cat. No.: X23-12-YM327

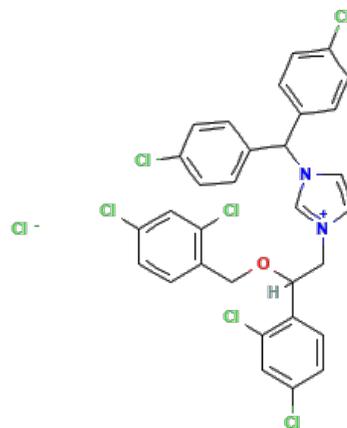
Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 57265-65-3

PubChem CID: 644274

Synonym: 57265-65-3; R24571

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Calmidazolium chloride interferes with or suppresses the transmission of signals between neurons in the nervous system.
Molecular Weight	687.7
Molecular Formula	C ₃₁ H ₂₃ Cl ₇ N ₂ O
IUPAC Name	1-[Bis(4-chlorophenyl)methyl]-3-[2-(2, 4-dichlorophenyl)-2-[(2, 4-dichlorophenyl)methoxy]ethyl]imidazol-3-ium;chloride
InChI	InChI=1S/C31H23Cl6N2O.ClH/c32-23-6-1-20(2-7-23)31(21-3-8-24(33)9-4-21)39-14-13-38(19-39)17-30(27-12-11-26(35)16-29(27)37)40-18-22-5-10-25(34)15-28(22)36;/h1-16, 19, 30-31H, 17-18H2;1H/q+1;/p-1
InChI Key	YGEIMSMISRCBFF-UHFFFAOYSA-M
Canonical SMILES	C1=CC(=CC=C1C(C2=CC=C(C=C2)Cl)N3C=C[N+](=C3)CC(C4=C(C=C(C=C4)Cl)Cl)OCC5=C(C=C(C=C5)Cl)Cl)Cl.[Cl-]
Form	Lyophilized powder
Purity	>98%
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	Calmidazolium chloride can be studied extensively in neuroscience research to explore its effects on neuronal function and synaptic transmission.
Storage	Store at -20°C, and keep desiccated.