

Product Information

Dimebon 2HCl

Cat. No.: X23-12-YM075

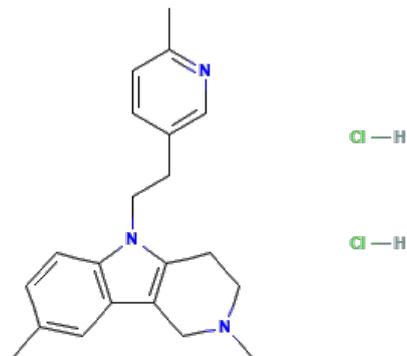
Size: 5 mg; 10 mg; 25 mg; 50 mg

CAS Number: 97657-92-6

PubChem CID: 23729232

Synonym: 97657-92-6; Dimebone; Latrepirdine

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



Product Information

Description	Dimebon 2HCl, soluble in DMSO and ethanol and insoluble in water, interferes with or suppresses the transmission of signals between neurons in the nervous system. It targets 5-HT, GluR, and histamine receptor.
Molecular Weight	392.4
Molecular Formula	C ₂₁ H ₂₅ N ₃ ·2HCl
Targets	5-HT; GluR; Histamine receptor
IUPAC Name	2, 8-Dimethyl-5-[2-(6-methylpyridin-3-yl)ethyl]-3, 4-dihydro-1H-pyrido[4, 3-b]indole;dihydrochloride
InChI	InChI=1S/C21H25N3.2ClH/c1-15-4-7-20-18(12-15)19-14-23(3)10-9-21(19)24(20)11-8-17-6-5-16(2)2-13-17;/h4-7, 12-13H, 8-11, 14H2, 1-3H3;2*1H
InChI Key	GTWLIQOLGOZTLF-UHFFFAOYSA-N
Canonical SMILES	CC1=CC2=C(C=C1)N(C3=C2CN(CC3)C)CCC4=CN=C(C=C4)C.Cl.Cl
Form	Lyophilized powder
Purity	>98%
Solubility	DMSO: 21 mg/mL (53.52 mM); Water: insoluble; Ethanol: 11 mg/mL (28.03 mM)
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	Dimebon 2HCl can be investigated for its effects on mitochondrial function and energy metabolism, which could have implications for conditions involving mitochondrial dysfunction.
Storage	Store at -20°C, and keep desiccated.