

Product Information

Metabolism inhibitor, Clotrimazole, Purity $\geq 98\%$

Cat. No.: X24-08-YM359

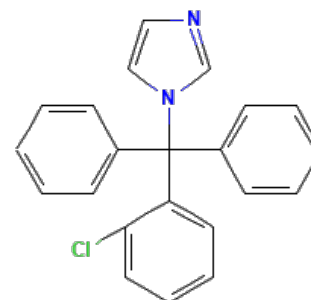
Size: 1 g; 2 g; 5 g; 10 g

MDL: MFCD00057220

CAS Number: 23593-75-1

Compound CID: 2812

Synonym: 23593-75-1; Lotrimin; Canesten; Mycelex; Mycosporin; Clotrimazol; Empecid; Mykosporin; Gyne lotrimin; Chlotrimazole; Trimysten; Gyne-Lotrimin; Mycelex G; 1-[(2-Chlorophenyl)-diphenylmethyl]imidazole



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

Product Information

Description	Clotrimazole, soluble in DMSO and ethanol and insoluble in water, is an effective cell metabolism inhibitor, that has the ability to prevent the pathway of metabolism by inhibiting cytochrome P450.
Molecular Weight	344.84
Molecular Formula	C ₂₂ H ₁₇ ClN ₂
IUPAC Name	1-[(2-Chlorophenyl)-diphenylmethyl]imidazole
InChI	InChI=1S/C22H17ClN2/c23-21-14-8-7-13-20(21)22(25-16-15-24-17-25,18-9-3-1-4-10-18)19-11-5-2-6-12-19/h1-17H
InChI Key	KYEYNJPZPOQCKF-UHFFFAOYSA-N
Canonical SMILES	C=CCN(CC1=CC=CC=C1F)CC(CN2C=NC=N2)(C3=C(C=C(C=C3)F)F)O
Form	Lyophilized powder
Purity	$\geq 98\%$
Titer	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects
Solubility	<i>In vitro</i> : DMSO: 9 mg/mL (26.09 mM); Water: insoluble; Ethanol: 59 mg/mL (171.09 mM)
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Clotrimazole is a metabolism inhibitor that plays a key role in inhibiting fungal cell membrane synthesis.
Storage	Store at -20°C, and keep desiccated.



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