

Product Information

Cytochrome P450 inhibitor, Luliconazole, Purity ≥98%

Cat. No.: X24-08-YM389

Size: 25 mg; 50 mg; 100 mg; 200 mg

MDL: MFCD00953915

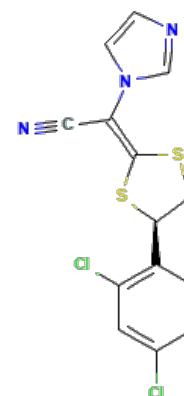
CAS Number: 187164-19-8

Compound CID: 3003141

Synonym: 187164-19-8; NND 502; Lulicon; Luzu; NND-502;

(2E-2-[(4R)-4-(2,4-Dichlorophenyl)-1,3-dithiolan-2-ylidene]-2-imidazol-1-ylacetonitrile

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



Product Information

Description	Luliconazole, 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	354.28
Molecular Formula	C ₁₄ H ₉ Cl ₂ N ₃ S ₂
IUPAC Name	(2E-2-[(4R)-4-(2,4-Dichlorophenyl)-1,3-dithiolan-2-ylidene]-2-imidazol-1-ylacetonitrile
InChI	InChI=1S/C14H9Cl2N3S2/c15-9-1-2-10(11(16)5-9)13-7-20-14(21-13)12(6-17)19-4-3-18-8-19/h1-5,8,13H,7H2/b14-12+/t13-/m0/s1
InChI Key	JDBCWSHYEQUBLW-AATRIKPKSA-N
Canonical SMILES	COC1=CC(=C(C=C1)C=CC2=CC(=CC(=C2)OC)OC)OC
Isomeric SMILES	COC1=CC(=C(C=C1)/C=C/C2=CC(=CC(=C2)OC)OC)OC
Form	Lyophilized powder
Purity	≥98%
Titer	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects
Solubility	<i>In vitro</i> : DMSO: 63 mg/mL (177.82 mM); Water: insoluble; Ethanol: 4 mg/mL (11.29 mM)
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Luliconazole is a metabolism inhibitor that can be studied extensively for its potential therapeutic applications in the treatment of fungal skin infections such as athlete's foot, ringworm, and jock itch.
Storage	Store at -20°C, and keep desiccated.



CD BioGlyco

SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA

Tel: 1-631-637-6119 | Email: info@bioglyco.com
