

Product Information

Cytochrome P450 inhibitor, TMS, Purity ≥98%

Cat. No.: X24-08-YM391

Size: 10 mg; 25 mg; 50 mg; 100 mg

MDL: MFCD03428621

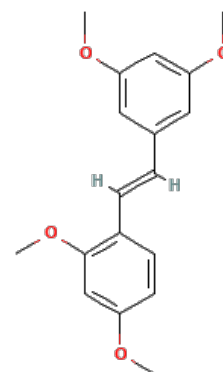
CAS Number: 24144-92-1

Compound CID: 5354004

Synonym: 24144-92-1; (*E*)-2; 3'; 4; 5'-Tetramethoxystilbene;

1-[(*E*)-2-(2,4-Dimethoxyphenyl)ethenyl]-3,5-dimethoxybenzene

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



Product Information

Description	TMS is an effective cell metabolism inhibitor, that has the ability to prevent the pathway of metabolism by inhibiting cytochrome P450. It targets the CYP1A1, CYP1A2, CYP1B1, and CYP1B1.
Molecular Weight	300.35
Molecular Formula	C ₁₈ H ₂₀ O ₄
Targets	CYP1A1: 300 nM (IC ₅₀); CYP1A2: 3.1 μM (IC ₅₀); CYP1B1: 6 nM (IC ₅₀); CYP1B1: 3 nM (Ki)
IUPAC Name	1-[(<i>E</i>)-2-(2,4-Dimethoxyphenyl)ethenyl]-3,5-dimethoxybenzene
InChI	InChI=1S/C18H20O4/c1-19-15-8-7-14(18(12-15)22-4)6-5-13-9-16(20-2)11-17(10-13)21-3/h5-12H,1-4H3/b6-5+
InChI Key	WDWIMDKOXZZYHH-FQEVSTJZSA-N
Canonical SMILES	CC1=CC=C(C=C1)C2=C(C=NN2C)C3=NN(C4=C3C(=NC=N4)N5CCC(C5)N6CCCCC6)C
Isomeric SMILES	CC1=CC=C(C=C1)C2=C(C=NN2C)C3=NN(C4=C3C(=NC=N4)N5CC[C@@H](C5)N6CCCCC6)C
Form	Lyophilized powder
Purity	≥98%
Titer	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	TMS is a metabolism inhibitor that displays the significant potential to act as an effective standard reference in nuclear magnetic resonance (NMR) spectroscopy.
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
