



Product Information

Microtubule/Tubulin inhibitor, TRx0237 mesylate, Purity $\geq 98\%$

Cat. No.: X24-08-YM244

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

MDL: MFCD29764308

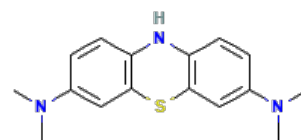
CAS Number: 1236208-20-0

Compound CID: 60150609

Synonym: 1236208-20-0; Leucomethylene blue mesylate; Hydromethylthionine mesylate; Methanesulfonic acid;

3-*N*,3-*N*,7-*N*,7-*N*-tetramethyl-10*H*-phenothiazine-3,7-diamine

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



Product Information

Description	TRx0237 mesylate, soluble in DMSO and water and insoluble in ethanol, is an effective cytoskeleton inhibitor, that has the ability to prevent the pathway of cytoskeletal signaling by inhibiting microtubule/tubulin.
Molecular Weight	477.62
Molecular Formula	C ₁₆ H ₁₉ N ₃ S·2CH ₄ O ₃ S
IUPAC Name	Methanesulfonic acid; 3- <i>N</i> ,3- <i>N</i> ,7- <i>N</i> ,7- <i>N</i> -tetramethyl-10 <i>H</i> -phenothiazine-3,7-diamine
InChI	InChI=1S/C16H19N3S.2CH4O3S/c1-18(2)11-5-7-13-15(9-11)20-16-10-12(19(3)4)6-8-14(16)17-13; 2*1-5(2,3)4/h5-10,17H,1-4H3; 2*1H3,(H,2,3,4)
InChI Key	SPCMQFLNOVTUBM-UHFFFAOYSA-N
Canonical SMILES	CN(C)C1=CC2=C(C=C1)NC3=C(S2)C=C(C=C3)N(C)C.CS(=O)(=O)O.CS(=O)(=O)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: 90 mg/mL (188.43 mM); Water: 90 mg/mL (188.43 mM); Ethanol: insoluble
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	TRx0237 mesylate is a cytoskeletal signaling inhibitor that can be studied extensively for its potential therapeutic applications in the treatment of neurodegenerative diseases such as Alzheimer's disease by reducing tau-related pathology.



Storage

Store at -20°C, and keep desiccated.
