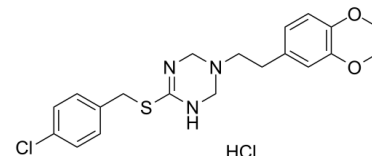


Data Sheet

Product Name:	MAC13243
Cat. No.:	CS-1183
CAS No.:	1071638-38-4
Molecular Formula:	C ₂₀ H ₂₅ ClN ₃ O ₂ S
Molecular Weight:	442.40
Target:	Bacterial
Pathway:	Anti-infection
Solubility:	DMSO : 50 mg/mL (113.02 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

MAC13243, an antibacterial agent, is a likely inhibitor of the bacterial lipoprotein targeting chaperone, LolA. IC₅₀ Value: Target: Antibacterial MAC13243, a molecule that belongs to a new chemical class and that has a unique mechanism and promising activity against multidrug-resistant *Pseudomonas aeruginosa*. MAC13243 inhibits the function of the LolA protein and represents a new chemical probe of lipoprotein targeting in bacteria with promise as an antibacterial lead with Gram-negative selectivity.

References:

- [1]. Barker CA, et al. Degradation of MAC13243 and studies of the interaction of resulting thiourea compounds with the lipoprotein targeting chaperone LolA. *Bioorg Med Chem Lett*. 2013 Apr 15;23(8):2426-31.
- [2]. Pathania R, et al. Chemical genomics in *Escherichia coli* identifies an inhibitor of bacterial lipoprotein targeting. *Nat Chem Biol*. 2009 Nov;5(11):849-56.

CAIndexNames:

1,3,5-Triazine, 4-[[[(4-chlorophenyl)methyl]thio]-1-[2-(3,4-dimethoxyphenyl)ethyl]-1,2,3,6-tetrahydro-, hydrochloride (1:1)

SMILES:

ClC1=CC=C(CSC2=NCN(CCC3=CC(OC)=C(OC)C=C3)CN2)C=C1.Cl

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 732-484-9848 Fax: 888-484-5008 E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA