Dimethenamid Inhibitor

PRODUCT OVERVIEW

Product Name	Dimethenamid, Inhibitor
Full Product Name	Dimethenamid
Product Synonym Names	San682H; San-682H; San 682H
Form/Format	Solid. Powder
Purity/Purification	98.00%
Preparation and Storage	Store at -20 degree C for 3 years powder -80 degree C for 2 years in solvent
Molecular Weight	275.79
Solubility	DMSO: Soluble (<1mg/ refers to the product slightly soluble or insoluble)
Formula	C12H18ClNO2S
SMILES	O=C(N(C1=C(C)SC=C1C)C(C)COC)CCl
CAS Number	87674-68-8
Related Product Information for Dimethenamid, inhibitor	MBS5756563 is an inhibitor targeting Dimethenamid. Dimethenamid is a chloroacetamide herbicide.
Product References and Citations for Dimethenamid, inhibitor	Sivey JD, Arey JS, Tentscher PR, Roberts AL. Reactivity of BrCl, Br2, BrOCl, Br2O, and HOBr toward dimethenamid in solutions of bromide + aqueous free chlorine. Environ Sci Technol. 2013 Feb 5;47(3):1330-8. doi: 10.1021/es302730h. Epub 2013 Jan 16. Erratum in: Environ Sci Technol. 2013 Aug 6;47(15):8990. PubMed PMID: 23323704. Imami A, Herold N, Spielmeyer A, Hausmann H, Dotzer R, Behnken HN, Leonhardt S, Weil A, Schoof S, Zorn H. Biotransformation of Dimethenamid-P by the basidiomycete Irpex consors. Chemosphere. 2016 Dec;165:59-66. doi: 10.1016/j.chemosphere.2016.09.011. Epub 2016 Sep 15. PubMed PMID: 27639461. de la Broise D, Stachowski-Haberkorn S. Evaluation of the partial renewal of in situ phytoplankton microcosms and application to the impact assessment of bentazon and dimethenamid. Mar Pollut Bull. 2012 Nov;64(11):2480-8. doi: 10.1016/j.marpolbul.2012.07.039. Epub 2012 Oct 2. PubMed PMID: 23041034. Sivey JD, McCullough CE, Roberts AL. Chlorine monoxide (Cl(2)O) and molecular chlorine (Cl(2)) as active chlorinating agents in reaction of dimethenamid with aqueous free chlorine. Environ Sci Technol. 2010 May 1;44(9):3357-62. doi: 10.1021/es9038903. PubMed PMID: 20302364.
Other Notes	Small volumes of Dimethenamid, inhibitor vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

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Online datasheet: https://www.mybiosource.com/inhibitor/dimethenamid/5756563