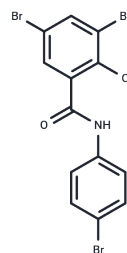


Tribromsalan

Chemical Properties

CAS No. :	87-10-5
Formula:	C ₁₃ H ₈ Br ₃ NO ₂
Molecular Weight:	449.92
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Tribromsalan (3,5,4'-Tribromosalicylanilide) is an inhibitor of Mycobacterium tuberculosis and abscess bacillus, inhibiting IkappaBalpha phosphorylation to suppress NF-kappaB signaling.
Targets(IC50)	Others,Antibacterial
In vitro	Tribromsalan treated HeLa cells with IC50 values of 3.4, 2.8 and 4.2 μM at 24, 48 and 72 hours.[1]

Solubility Information

Solubility	DMSO: 8 mg/mL (17.78 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2226 mL	11.1131 mL	22.2262 mL
5 mM	0.4445 mL	2.2226 mL	4.4452 mL
10 mM	0.2223 mL	1.1113 mL	2.2226 mL
50 mM	0.0445 mL	0.2223 mL	0.4445 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Sakamoto M, et al. Determination of bithionol, bromophen, nitroxynil, oxyclozanide, and tribromsalan in milk with liquid chromatography coupled with tandem mass spectrometry. J AOAC Int. 2010 Jul-Aug;93(4):1340-6.

Miller SC, et al. Identification of known drugs that act as inhibitors of NF-kappaB signaling and their mechanism of action. Biochem Pharmacol. 2010 May 1;79(9):1272-80.

Durbize E, et al. Spectrum of cross-photosensitization in 18 consecutive patients with contact photoallergy to ketoprofen: associated photoallergies to non-benzophenone-containing molecules. Contact Dermatitis. 2003 Mar; 48(3):144-9.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481