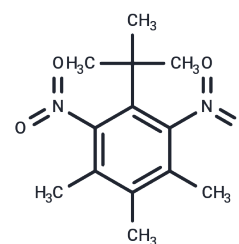


Musk tibetene

Chemical Properties

CAS No. :	145-39-1
Formula:	C ₁₃ H ₁₈ N ₂ O ₄
Molecular Weight:	266.29
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	Musk tibetene reveals no genotoxicity in the micronucleus test with human lymphocytes and human hepatoma cell lines. Musk tibetene is a nitro musk compound with carcinogenic activity.
Targets(IC50)	Others
In vitro	Musk tibetene demonstrates a potential for cell transformation, exhibiting a dose-dependent response in our host-mediated assay system. It shows no genotoxic effects in the micronucleus test, both with human lymphocytes and the Hep G2 human hepatoma cell line [1][2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7553 mL	18.7765 mL	37.553 mL
5 mM	0.7511 mL	3.7553 mL	7.5106 mL
10 mM	0.3755 mL	1.8777 mL	3.7553 mL
50 mM	0.0751 mL	0.3755 mL	0.7511 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

Kevekordes S, et al. Genotoxicity of nitro musks in the micronucleus test with human lymphocytes in vitro and the human hepatoma cell line Hep G2. Toxicol Lett. 1997 Mar 14;91(1):13-7.

Apostolidis S, et al. Evaluation of carcinogenic potential of two nitro-musk derivatives, musk xylene and musk tibetene in a host-mediated in vivo/in vitro assay system. Anticancer Res. 2002 Sep-Oct;22(5):2657-62.

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