

Product data sheet



MedKoo Cat#: 591781 Name: Musk tibetene CAS: 145-39-1 Chemical Formula: C ₁₃ H ₁₈ N ₂ O ₄ Exact Mass: 266.1267 Molecular Weight: 266.297	
Product supplied as: Powder	
Purity (by HPLC): ≥ 98%	
Shipping conditions: Ambient temperature	
Storage conditions: Powder: -20°C 3 years; 4°C 2 years. In solvent: -80°C 3 months; -20°C 2 weeks.	

1. Product description:

Musk tibetene, In contrast to other musk cpds this cpd does not cause allergic photocontact dermatitis. It is found in human breast milk.

2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under “QC And Documents” section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
TBD	TBD	TBD

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	3.76 mL	18.78 mL	37.55 mL
5 mM	0.75 mL	3.76 mL	7.51 mL
10 mM	0.38 mL	1.88 mL	3.76 mL
50 mM	0.08 mL	0.38 mL	0.75 mL

5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of “Calculator”

6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

TBD

In vivo study

Apostolidis S, Chandra T, Demirhan I, Cinatl J, Doerr HW, Chandra A. 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. PMID: 12529978.

7. Bioactivity

Biological target:

Musk tibetene (Musk tibetene) is a nitro musk compound with carcinogenic activity.

In vitro activity

TBD

In vivo activity

Statistical analysis comparing cells from musk xylene- or musk tibetene-treated animals with those from control mice proved that the test is positive. Musk xylene and musk tibetene revealed a cell-transforming potential that showed a dose-dependent response in our

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host-mediated assay system. This study has succeeded in establishing permanent cell lines from mice treated with musk xylene, or musk tibetene.

Reference: Anticancer Res. 2002 Sep-Oct;22(5):2657-62. <https://pubmed.ncbi.nlm.nih.gov/12529978/>

Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.