

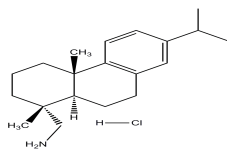
Product: Leelamine hydrochloride

ALTERNATE NAME: 1R,2,3,4,4aS,9,10,10aR-octahydro-1,4a-dimethyl-7-(1-methylethyl)-1-phenanthrenemethanamine, hydrochloride; Dehydroabietylamine

CATALOG #: 2717-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₀H₃₁N.HCl

MOLECULAR WEIGHT: 321.93

CAS NUMBER: 16496-99-4

APPEARANCE: White solid

SOLUBILITY: DMSO (~ 30 mg/ml) or EtOH (~30 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: Store at -20 °C. Protect from air and moisture

DESCRIPTION: Leelamine is a diterpene molecule that displays weak affinity for the human central cannabinoid (CB₁) and peripheral cannabinoid (CB₂) receptors, exhibiting 20% displacement of [³H]-CP55940 at a concentration of 10 μM. Leelamine is also an inhibitor of pyruvate dehydrogenase kinase (PDK) (IC₅₀ = 9.5 μM). Recently, Leelamine has been shown to simultaneously inhibit PI3K, MAPK and STAT3 pathways.

REFERENCES: Gowda, R., *et al.* (2014). *Mol. Cancer Ther.* **13**, 1679-1689.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Pyruvate Kinase Activity Colorimetric/Fluorometric Assay Kit (**Cat. No. K709-100**)

Pyruvate Dehydrogenase Activity Colorimetric/Fluorometric Assay Kit (**Cat. No. K679-100**)

FOR RESEARCH USE ONLY! Not to be used on humans.