

Leelamine HCl, Intracellular cholesterol inhibitor

Catalog	Unit
TBI2955-10MG	10 mg
TBI2955-50MG	50 mg

Product Details

Formal Name: (1R,4aS,10aR)-1,2,3,4,4a,9,10,10a-Octahydro-1-,4a-dimethyl-7-(1-methylethyl)-1-phenanthrenemethanamine hydrochloride

Alternate Names: Lylamine HCl; (+)-Dehydroabietylamine HCl

Molecular Formula: C₂₀H₃₁N • HCl

Formula Weight: 321.90

CAS Number: 16496-99-4

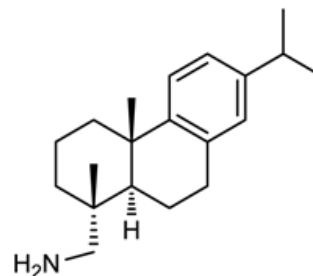
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 40 mg/ml) or in Water (up to 9 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Intracellular cholesterol inhibitor

Functions

A lysosomotropic, intracellular cholesterol transport inhibitor with potential chemotherapeutic activity. Induces cholesterol accumulation in lysosomal/endosomal cell compartments via inhibition of autophagic flux. Induces apoptosis in breast cancer, melanoma and prostate cancer cells. A selective inducer of cytochrome P450 2B. Inhibits pyruvate dehydrogenase kinase (PDK), IC₅₀=9.5 μM.

Application Procedures

First dissolved in DMSO (up to 40 mg/ml) or in Water (up to 9 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or distilled water may be stored at -20°C for up to 1 month.

For research use only.