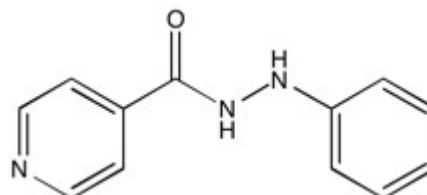


PluriSIn 1, Stearoyl CoA desaturase inhibitor

Catalog	Unit
TBI1451-5MG	5 mg
TBI1451-25MG	25 mg

Product Details

Formal Name: N'-Phenylpyridine-4-carbohydrazide
Alternate Names: 4-Pyridinecarboxylic acid 2-phenylhydrazide
Molecular Formula: C₁₂H₁₁N₃O
Formula Weight: 213.24
CAS Number: 91396-88-2
Purity: >98%
Formulation: powder
Solubility: Soluble in DMSO (up to 25 mg/ml).
Storage: -20°C
Stability: ≥ 1 year.



Applications

Stearoyl CoA desaturase inhibitor

Functions

PluriSIn 1 is an inhibitor of stearoyl-coA desaturase (SCD1). PluriSIn 1 was able to selectively eliminate human pluripotent stem cells (hPSCs) while not affecting a large array of progenitor and differentiated cells. The ability to eliminate potentially tumorigenic undifferentiated cells is important for increasing the safety of hPSC-based treatments. PluriSIn 1 has been used to successfully eliminate tumorigenic cells in cardiomyocytes and chondrogenic cells.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 1 month.

For research use only.