



LKT Laboratories, Inc.

PluriSIn 1

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Product Information

Product ID P4782

CAS No. 91396-88-2

Chemical Name

Synonym NSC 14613, PluriSIn 1, Isonicotinic Acid 2-Phenylhydrazide, Plurisin #1

Formula $C_{12}H_{11}N_3O$

Formula Wt. 213.24

Melting Point

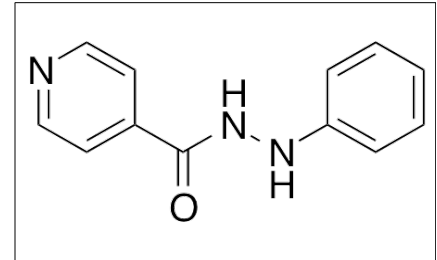
Purity $\geq 98\%$

Solubility 10mM in DMSO

Store Temp $-20^{\circ}C$

Ship Temp Ambient

Description PluriSIn 1 is a pluripotent cell-specific inhibitor that induces endoplasmic reticular stress and apoptosis in pluripotent stem cells. This compound inhibits stearoyl-coA desaturase 1 (SCD1), preventing teratoma formation in tumorigenic undifferentiated cells. Plurisin1 prevents undifferentiated cells from developing into tumors when used to regenerate tissues such as the heart.



Bulk quantities available upon request

Product ID	Size
P4782	5 mg
P4782	10 mg
P4782	25 mg
P4782	50 mg

References Zhang L, Pan Y, Qin G, et al. Inhibition of stearoyl-coA desaturase selectively eliminates tumorigenic Nanog-positive cells: improving the safety of iPS cell transplantation to myocardium. *Cell Cycle*. 2014;13(5):762-71. PMID: 24394703.

Ben-David U, Gan QF, Golan-Lev T, et al. Selective elimination of human pluripotent stem cells by an oleate synthesis inhibitor discovered in a high-throughput screen. *Cell Stem Cell*. 2013 Feb 7;12(2):167-79. PMID: 23318055.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.