



LKT Laboratories, Inc.

SU-9516

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Product Information

Product ID S800000

CAS No. 377090-84-1

Chemical Name

Synonym SU9516

Formula $C_{13}H_{11}N_3O_2$

Formula Wt. 241.25

Melting Point

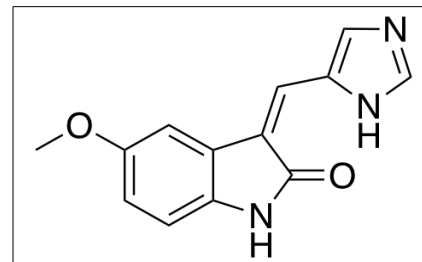
Purity $\geq 98\%$

Solubility

Store Temp 4°C

Ship Temp Ambient

Description SU 9516 is an inhibitor of cyclin-dependent kinase (CDK), with selectivity for CDK2. It induces apoptosis in colon carcinoma cells. In leukemic cells, it downregulates Mcl-1, an antiapoptotic protein, leading to mitochondrial injury and cell death.



Bulk quantities available upon request

Product ID	Size
S800000	5 mg
S800000	25 mg
S800000	100 mg

References Opyrchal M., Salisbury J., et al. Inhibition of Cdk2 kinase activity selectively targets the CD44⁺/CD24⁻/Low stem-like subpopulation and restores chemosensitivity of SUM149PT triple-negative breast cancer cells. *Int J Oncol.* 45(3):1193-9 (2014). PMID:24970653.

Lane M., Yu B., et al. A novel cdk2-selective inhibitor, SU9516, induces apoptosis in colon carcinoma cells. *Cancer Res.* 61(16):6170-7 (2001). PMID: 11507069.

Gao N., Kramer L., et al. The three-substituted indolinone cyclin-dependent kinase 2 inhibitor 3-[1-(3H-imidazol-4-yl)-meth-(Z)-ylidene]-5-methoxy-1,3-dihydro-indol-2-one (SU9516) kills human leukemia cells via down-regulation of Mcl-1 through a transcriptional mechanism. *Mol Pharmacol.* 70(2):645-55 (2006). PMID: 16672643.

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