LKT Laboratories, Inc.

SU-9516

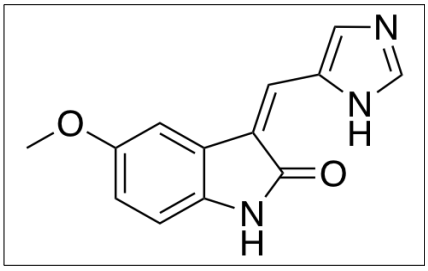
Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

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 ≥98%
Solubility



Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
S800000	5 mg	$95.00
S800000	25 mg	$275.00
S800000	100 mg	$485.00

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.

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.