



LKT Laboratories, Inc.

LY-364947

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

Product Information

Product ID L9800

CAS No. 396129-53-6

Chemical Name

Synonym LY364947

Formula $C_{17}H_{12}N_4$

Formula Wt. 272.31

Melting Point

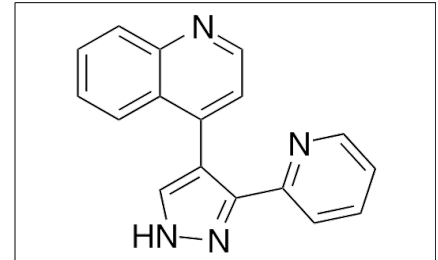
Purity $\geq 98\%$

Solubility DMSO 1 mg/mL (3.67 mM)
Water Insoluble
Ethanol Insoluble

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

Ship Temp Ambient

Description LY364947 is an inhibitor of activin receptor-like kinase 5 (ALK5), a type of TGF- β 1 receptor. LY364947 displays anticancer and anti-fibrotic activities. LY364947 improves the radiosensitivity of non-small cell lung cancer (NSCLC) cells. In animal models of liver damage, this compound enhances liver regeneration, cell proliferation, and liver function.



Bulk quantities available upon request

Product ID	Size
L9800	1 mg
L9800	5 mg
L9800	25 mg

References Du S, Bouquet S, Lo CH, et al. Attenuation of the DNA damage response by transforming growth factor-beta inhibitors enhances radiation sensitivity of non-small-cell lung cancer cells in vitro and in vivo. *Int J Radiat Oncol Biol Phys.* 2015 Jan 1;91(1):91-9. PMID: 25835621.

Karkampouna S, Goumans MJ, Ten Dijke P, et al. Inhibition of TGF β type I receptor activity facilitates liver regeneration upon acute CCl $_4$ intoxication in mice. *Arch Toxicol.* 2015 Jan 8. [Epub ahead of print]. PMID: 25566828.

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