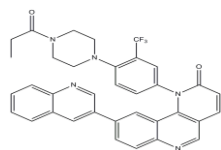


**PRODUCT:****Torin 1**

Rev 11/19

**RELATED PRODUCTS:****ALTERNATE NAME:** 1-[4-[4-(1-Oxopropyl)-1-piperazinyl]-3-(trifluoromethyl)phenyl]-9-(3-quinolinyl)-benzo[h]-1,6-naphthyridin-2(1*h*)-one**CATALOG #:** 2273-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>35</sub>H<sub>28</sub>F<sub>3</sub>N<sub>5</sub>O<sub>2</sub>**MOLECULAR WEIGHT:** 607.62**CAS NUMBER:** 1222998-36-8**APPEARANCE:** Slightly pinkish solid**SOLUBILITY:** DMSO (~2 mg/ml), N-methyl-2-pyrrolidone (~25 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** At -20°C. Protect from light and moisture**DESCRIPTION:** A potent, selective and ATP-competitive mTOR inhibitor, with IC<sub>50</sub> values of 2 and 10 nM for mTORC1 and mTORC2 respectively; Torin1 displays 1000-fold selectivity for mTOR over PI3K (EC<sub>50</sub> = 1800 nM) and exhibits 100-fold binding selectivity relative to 450 other protein kinases.**REFERENCE:** Liu, Q., *et al.* (2010). *J. Med. Chem.* **53**, 7146-7155.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

BEZ235 (NVP-BEZ235) (Cat. No. 1626-5, 25)

BI-D1870 (Cat. No. 1824-1, 5)

Deforolimus (Cat. No. 1587-5, 25)

DiscoveryPak™ PI 3-Kinase Inhibitor Panel (Cat. No. K856-5)

Everolimus (Cat. No. 1917-5, 25)

GDC-0941 (Cat. No. 1623-1,5)

GSK-2126458 (Cat. No. 1961-1, 5)

IC87114 (Cat. No. 1661-1)

LY 294002 (Cat. No. 1667-5, 25)

mTOR Inhibitor, Ku-0063794 (Cat. No. 1779-1,5)

mTOR Inhibitor, WYE-28 (Cat. No. 2255-500, 1000)

mTOR Inhibitor, WYE-132 (Cat. No. 2256-500, 1000)

mTOR Inhibitor, WYE-23 (Cat. No. 2257-500, 1000)

PI-103 (Cat. No. 1728-1,5)

PI3-Ky Inhibitor, AS-605240 (Cat. No. 1780-1,5)

PathwayReady™ PI3-K/Akt/mTOR Signaling Inhibitor panel (Cat. No. K857-11)

PP242 (Cat. No. 1658-1)

PX-866 (Cat. No. 1965-1,5)

Rapamycin (Cat. No. 1568-5, 50)

EZSolution™ Rapamycin (Cat. No. 1746-5)

Temsirolimus (Cat. No. 1600-5, 25)

TGX-115 (Cat. No. 1660-1)

TGX-221 (Cat. No. 1781-1,5)

Torin 2 (Cat. No. 2273-5, 25)

Wortmannin (Cat. No. 1670)

**USAGE: FOR RESEARCH CH USE ONLY! Not to be used in humans**