

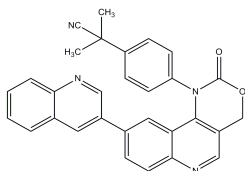
## PRODUCT: ETP-46464

ALTERNATE NAME: 2-Methyl-2-(4-(2-oxo-9-(quinolin-3-yl)-2H-[1,3]oxazino[5,4-c]quinolin-1(4H)-yl)phenyl)propanenitrile; ATRi

CATALOG #: 2457-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C<sub>30</sub>H<sub>22</sub>N<sub>4</sub>O<sub>2</sub>

MOLECULAR WEIGHT: 470.52

CAS#: 1345675-02-6

APPEARANCE: White solid

SOLUBILITY: DMSO (~10 mg/ml)

PURITY: >98% by HPLC

STORAGE: Store at -20°C. Protect from air and light

DESCRIPTION: A potent ATR (ATM and Rad3-related) inhibitor (IC<sub>50</sub> = 25 nM). It also inhibits the activity of PI3Kα, mTOR and DNA-PKC with IC<sub>50</sub>s of 170, 0.6 and 36 nM, respectively. ETP-46464 inhibits the restart of stalled replication forks and abrogates S phase arrest after exposure to hydroxyurea.

REFERENCES: Toledo, L.I., *et al.* (2011). *Nat. Struct. Mol. Biol.* **18**, 721-727.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

### RELATED PRODUCTS:

AS-604850 (Cat. No. 2339-1, 5)  
 ATM Kinase Inhibitor, KU-55933 (Cat. No. 1685-5)  
 BEZ235 (NVP-BEZ235) (Cat. No. 1626-5, 25)  
 GDC-0941 bismesylate (Cat. No. 1623-1, 5)  
 Deforolimus (Cat. No. 1587-5, 25)  
 DiscoveryPak™ PI 3-Kinase Inhibitor Panel (Cat. No. K856-5)  
 GDC-0941 (Cat. No. 1623-1,5)  
 IC87114 (Cat. No. 1661-1)  
 IPI-145 (Cat. No. 2445-5, 25)  
 LY 294002 (Cat. No. 1667-5, 25)  
 mTOR Inhibitor, Ku-0063794 (Cat. No. 1779-1,5)  
 OSU-03012, hydrochloride (Cat. No. 2295-5, 25)  
 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)  
 Temsirolimus (Cat. No. 1600-5, 25)  
 TGX-115 (Cat. No. 1660-1)  
 TGX-221 (Cat. No. 1781-1,5)  
 Wortmannin (Cat. No. 1670-1)  
 YM201636 (Cat. No. 2045-1, 5)

**FOR RESEARCH USE ONLY! Not to be used in humans.**