

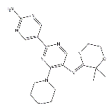
**PRODUCT: GDC-0084**

**ALTERNATE NAMES:** GDC0084; GDC 0084; RG-7666; RG 7666; RG7666; 5-[8,9-dihydro-6,6-dimethyl-4-(4-morpholinyl)-6H-[1,4]oxazino[4,3-e]purin-2-yl]-2-pyrimidinamine; 5-(6,6-dimethyl-4-morpholin-4-yl)-8,9-dihydropurino[8,9-c][1,4]oxazin-2-yl)pyrimidin-2-amine

**CATALOG#:** B1656-5, -25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>18</sub>H<sub>22</sub>N<sub>8</sub>O<sub>2</sub>

**MOLECULAR WEIGHT:** 382.42

**CAS NUMBER:** 1382979-44-3

**APPEARANCE:** Solid powder

**SOLUBILITY:** DMSO

**PURITY:** >98%

**STORAGE:** Dry, dark and at 4°C for short term (days to weeks) or at -20°C for long term. Protect from air and light.

**DESCRIPTION:** GDC-0084 is a potent, selective inhibitor of Class I PI3K and mTOR with good penetration across the blood-brain barrier.

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

**REFERENCES:**

1. Heffron TP1 et al. Discovery of Clinical Development Candidate GDC-0084, a Brain Penetrant Inhibitor of PI3K and mTOR. ACS Med Chem Lett. 2016 Feb 16;7(4):351-6.
2. Salphati L et al. Brain Distribution and Efficacy of the Brain Penetrant PI3K Inhibitor GDC-0084 in Orthotopic Mouse Models of Human Glioblastoma. Drug Metab Dispos. 2016 Dec;44(12):1881-1889.

**RELATED PRODUCTS:**

- BEZ235 (NVP-BEZ235) (Cat. No. 1626-5, 25)
- GDC-0941 bismesylate (Cat. No. 1623-1, 5)
- Deforolimus (Cat. No. 1587-5, 25)
- IC87114 (Cat. No. 1661-1)
- LY 294002 (Cat. No. 1667-5, 25)
- mTOR Inhibitor, Ku-0063794 (Cat. No. 1779-1, 5)
- PI-103 (Cat. No. 1728-1, 5)
- PP242 (Cat. No. 1658-1)
- 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)

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