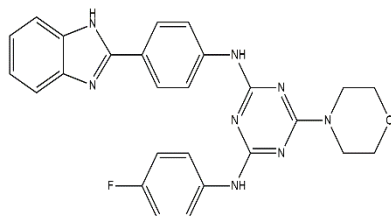


# IITZ-01

**ALTERNATE NAME:** N2-(4-(1H-benzo[d]imidazol-2-yl)phenyl)-N4-(4-fluorophenyl)-6-morpholino-1,3,5-triazine-2,4-diamine  
IITZ01

**CATALOG #:** B2378-1 1 mg  
B2378-5 5 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>26</sub>H<sub>23</sub>FN<sub>8</sub>O

**MOLECULAR WEIGHT:** 482.51

**CAS NUMBER:** 1807988-47-1

**APPEARANCE:** Crystalline solid

**PURITY:** ≥98% by HPLC

**SOLUBILITY:** >50 mg/ml DMSO

**DESCRIPTION:** IITZ-01 is a potent lysosomotropic autophagy inhibitor; displays >10-fold potent autophagy inhibition than Chloroquine (Cat. No.1825); enhances autophagosome accumulation but inhibits autophagosomal degradation by impairing lysosomal function, finally resulting in the inhibition of autophagy. Displays potent anticancer activity.

**STORAGE TEMPERATURE:** -20°C

**REFERENCES:** Guntuku, L., et al. (2018). Oncogene Aug 30. doi: 10.1038/s41388-018-0446-2. [Epub ahead of print]

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

**RELATED PRODUCTS:**

Spautin 1 (2037)  
SAR-405 (B1286)  
Autophinib (B2260)  
3-Methyladenine (2249)  
Hydroxychloroquine sulfate (B2051)  
Chloroquine diphosphate (1825)

**DISCLAIMER:** *FOR RESEARCH USE ONLY! Not to be used on humans.*