

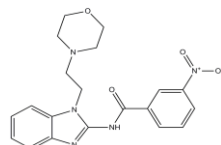
**PRODUCT: IRAK-1/4 Inhibitor**

**ALTERNATE NAME:** N-[1-(2-morpholin-4-ylethyl)benzimidazol-2-yl]-3-nitrobenzamide; Interleukin-1 Receptor-Associated-Kinase-1/4 Inhibitor

**CATALOG #:** 9578-5, 25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>20</sub>H<sub>21</sub>N<sub>5</sub>O<sub>4</sub>

**MOLECULAR WEIGHT:** 395.41

**CAS NUMBER:** 509093-47-4

**APPEARANCE:** Yellow solid

**SOLUBILITY:** DMSO (~5 mg/ml)

**PURITY:** ≥98% by HPLC

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

**DESCRIPTION:** IRAK-1-4 Inhibitor I is an inhibitor of interleukin-1 receptor associated kinase (IRAK) with IC<sub>50</sub> values of 0.3 μM and 0.2 μM for IRAK-1 and IRAK-4, respectively. It displays IC<sub>50</sub> values >10 μM in a panel of 27 other kinases tested.

**REFERENCES:** Powers, J.P., *et al.* (2006). *Bioorg. Med. Chem. Lett.* **16**, 2842-2845.

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

**RELATED PRODUCTS:**

IRAK Antibody (**3131**)  
IRAK-4 Antibody (**3580**)  
MyD88 Antibody (**3244R**)  
MyD88 Antibody (**3244**)

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