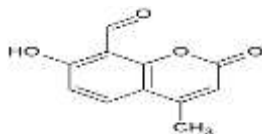


# 4 $\mu$ 8C

**ALTERNATE NAME:** IRE1 Inhibitor III  
7-hydroxy-4-methyl-2-oxo-2H-1-benzopyran-8-carboxaldehyde

**CATALOG #:** B2495-5 5 mg  
B2495-25 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>11</sub>H<sub>8</sub>O<sub>4</sub>

**MOLECULAR WEIGHT:** 204.18

**CAS NUMBER:** 14003-96-4

**APPEARANCE:** White to off-white solid

**PURITY:**  $\geq$ 98% by HPLC

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

**SOLUBILITY:** >25 mg/ml DMSO

**DESCRIPTION:** 4 $\mu$ 8C is a selective inhibitor of IRE1 $\alpha$  ribonuclease (RNase) activity ( $IC_{50}$  = 60 nM). It blocks substrate access to the active site of IRE1 $\alpha$  and inactivates IRE1 $\alpha$ -mediated mRNA degradation. Displays no effect on the IRE1 $\alpha$ -related endoribonuclease RNase L.

**REFERENCES:** Kemp, K., et al. (2013). J. Biol. Chem. 288, 33272-82.

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

**RELATED PRODUCTS:**

Ethynylcytidine (B1266)  
RNaseOFF ribonuclease Inhibitor (M1238)

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