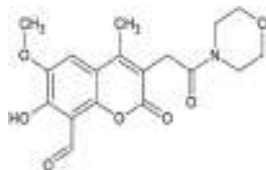


MKC-8866

ALTERNATE NAME: IRE1-IN-8866
MKC8866
7-Hydroxy-6-methoxy-4-methyl-3-(2-morpholino-2-oxoethyl)-2-oxo-2H-chromene-8-carbaldehyde

CATALOG #: B2785-5 5 mg
B2785-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₈H₁₉NO₇

MOLECULAR WEIGHT: 361.35

CAS NUMBER: 1338934-59-0

APPEARANCE: Crystalline solid

PURITY: ≥98%

SOLUBILITY: ~ 3 mg/ml DMSO

DESCRIPTION: MKC-8866 is a potent, and selective IRE1 RNase inhibitor with an IC₅₀ of 0.29 μM in human vitro. MKC-8866 strongly inhibits Dithiothreitol-induced X-box-binding protein 1-spliced (XBP1s) expression with an EC₅₀ of 0.52 μM and unstresses RPMI 8226 cells with an IC₅₀ of 0.14 μM. MKC-8866 also strongly inhibits prostate cancer (PCa) tumor growth as monotherapy in multiple preclinical models in mice and shows synergistic antitumor effects with current PCa drugs.

STORAGE TEMPERATURE: -20°C. Protect from light

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

RELATED PRODUCTS:

KIRA6 (B2594)
4μ8C (B2495)

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