

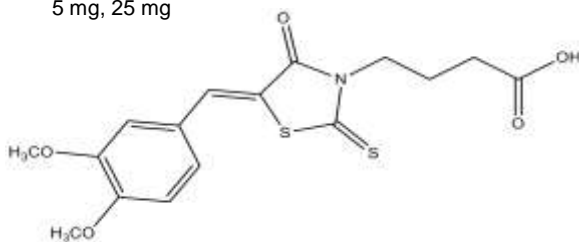
CRT Inhibitor, iCRT5

ALTERNATE NAME: (Z)-4-(5-(3,4-Dimethoxybenzylidene)-4-oxo-2-thioxothiazolidin-3-yl)butanoic acid

CATALOG #: 1896-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₆H₁₇NO₅S₂

MOLECULAR WEIGHT: 367.44

APPEARANCE: Yellow solid

SOLUBILITY: DMSO

PURITY: ≥98% by HPLC

STORAGE: Store at -20 °C

DESCRIPTION: Cell-permeable. A potent inhibitor of the β-catenin-responsive transcription (CRT) in the nucleus. iCRT5 inhibits Wnt responsive STF16 luciferase (STF16-Luc) with an IC₅₀ of 18 nM. It acts by disrupting the interaction between β-catenin and TCF4, possibly by direct binding to β-catenin. However, it displays minimal or less prominent effect on on-canonical Wnt signaling and other pathways such as Hh, JAK/STAT, and Notch signaling.

REFERENCE: Gonsalves, F.C., *et al.* (2011). *Proc. Natl. Acad. Sci. USA* **108**, 5954-5963.

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

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

RELATED PRODUCTS:

- BIO (Cat. No. 1673-1)
- CHIR99021 (Cat. No. 1677-5, 25)
- EZSolution™ CHIR99021 (Cat. No. 1748-5)
- DKK1 Antibody (Cat. No. 3851-100)
- DKK1 Blocking peptide (Cat. No. 3851BP-50)
- Dvl3 Antibody (Cat. No. 3684R-100)
- GSK-3beta Antibody (Cat. No. 3494-100)
- GSK-3β Inhibitor, TWS119 (Cat. No. 1655-2)
- IQ-1 (Cat. No. 1663-1)
- QS11 (Cat. No. 1680-5)
- SB 216763 (Cat. No. 1769-1,5)
- Wnt-1 Antibody (Cat. No. 3571-100)
- Wnt-1 Blocking Peptide (Cat. No. 3571BP-50)
- Wnt-1 Antibody (Cat. No. 5754-100)
- Wnt-1, human recombinant (Cat. No. 4754-10, 50, 1000)
- Wnt-2 Antibody (Cat. No. 3572R-100)
- Wnt-2 Blocking peptide (Cat. No. 3572RBP-50)
- Wnt-4 Antibody (Cat. No. 3574R-100)
- Wnt-4 Blocking peptide (Cat. No. 3574BP-50)
- Wnt-6 Antibody (Cat. No. 3570-100)
- Wnt-6 Blocking peptide (Cat. No. 3570BP-50)
- XAV939 (Cat. No. 1727-1)