

Product Data Sheet

Product Name: IIIM-1270

Cat. No.: GC79412

Chemical Properties

Cas. No. 4818-19-3

Formula $C_{12}H_{11}NO_2S$ M.Wt 233.29

Solubility DMSO: 25 mg/mL (107.16 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

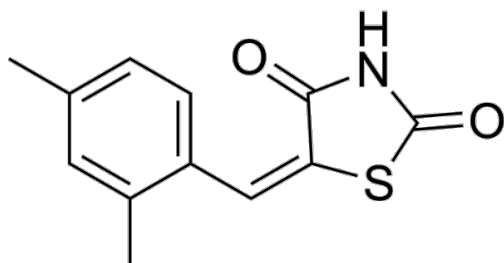
Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Structure



Background

IIIM-1270 is a NLRP3 inflammasome inhibitor. IIIM-1270 inhibits IL-1 β release in mouse macrophages (J774A.1 cells) (IC_{50} = 3.5 μ M) and significantly reduced the protein expression level of mature IL-1 β . IIIM-1270 can be used for the study of inflammation [1].

References:

[1]. Abdullaha M, et al. Discovery of benzo[cd]indol-2-one and benzylidene-thiazolidine-2,4-dione as new classes of NLRP3 inflammasome inhibitors via ER- β structure based virtual screening. Bioorg Chem. 2020 Jan;95:103500.

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