

Product Data Sheet

Product Name: JSD26
Cat. No.: GC79561

Chemical Properties

Cas. No. 2353515-08-7

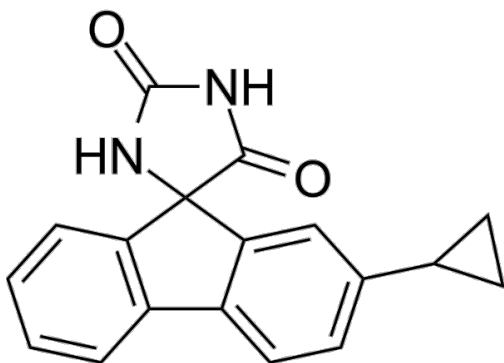
Formula $C_{18}H_{14}N_2O_2$ M.Wt 290.32

Solubility DMSO: 100 mg/mL (344.45 mM; Need ultrasonic) Storage Store at 4°C, sealed storage, away from moisture

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.

Structure



Background

JSD26 is a selective and orally active SCoR2 (AKR1A1) inhibitor with an IC_{50} of 93 nM. JSD26 has 10-fold selectivity for SCoR2 versus AKR1B1. JSD26 can be used for the study acute kidney injury (AKI) [1].

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

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In Vivo, JSD26 (20-120 mg/kg, i.p., once) inhibits SCoR2 in mice without affecting AKR1B1 [1]. JSD26 (120 mg/kg, i.p., once) alleviates symptoms in acute kidney injury (AKI) mice by selectively inhibiting SCoR2 and increasing S-nitrosylation of PKM2^[1].

References:

[1]. Zhou HL, et al. Identification of a Selective SCoR2 Inhibitor That Protects Against Acute Kidney Injury. J Med Chem. 2023 Apr 27;66(8):5657-5668.

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