

Product Data Sheet

Product Name: URAT1 inhibitor 7

Cat. No.: GC81738

Chemical Properties

Cas. No. 1632002-28-8

Formula $C_{19}H_{10}ClFN_4O_3S$ M.Wt 428.82

Solubility DMSO: 25 mg/mL (58.30 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.

Structure



Background

URAT1 inhibitor 7 (compound 10f) is a potent URAT1 inhibitor, with an IC_{50} of 12 nM. URAT1 inhibitor 7 exhibits microsomal stability (HLM $<13 \mu\text{L}/\text{min}/\text{mg}$). URAT1 inhibitor 7 also inhibits CYP2C9, with an IC_{50} of 4.2 μM . URAT1 inhibitor 7 can be used for gout research [1].

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

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References:

[1]. Storer R I, et al. The discovery and evaluation of diaryl ether heterocyclic sulfonamides as URAT1 inhibitors for the treatment of gout. MedChemComm, 2016:10.1039.C6MD00190D.

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