

## Product Data Sheet

Product Name: M8891  
Cat. No.: GC62619

### Chemical Properties

Cas. No. 1464842-09-8

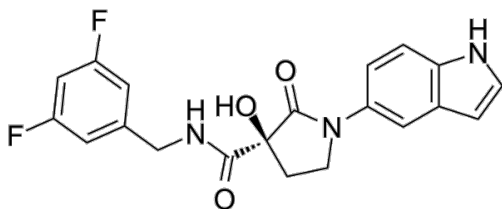
Formula  $C_{20}H_{17}F_2N_3O_3$  M.Wt 385.36

Solubility DMSO : 90 mg/mL (233.55 mM; Need ultrasonic) Storage 4°C, protect from light

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

M8891 is an orally active, reversible and brain penetrant Methionine Aminopeptidase-2 (MetAP-2) inhibitor with an IC<sub>50</sub> of 54 nM and a K<sub>i</sub> of 4.33 nM. M8891 does not inhibit MetAP-1 (IC<sub>50</sub>>10 μM) [1]. M8891 inhibits growth of primary endothelial cells as well as tumor cells and demonstrates

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

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antiangiogenic and antitumoral activity[2].

M8891 has an IC<sub>50</sub> of 20 nM for HUVEC proliferation[1].

M8891 (po; 20 mg/kg; once a day for 14 days) exhibits strong tumor growth inhibition[1]. M8891 (iv; 0.2 mg/kg) shows low clearance (CL ~0.03-0.4 L/h/kg corresponding to ~1-6% of the liver blood-flow), small to medium volume of distribution (V<sub>ss</sub> ~0.23-1.3 L/kg), and medium to high oral bioavailability (F ~40-80%)[1].

[1]. Heinrich T, et al. Identification of Methionine Aminopeptidase-2 (MetAP-2) Inhibitor M8891: A Clinical Compound for the Treatment of Cancer. J Med Chem. 2019 Dec 26;62(24):11119-11134.

[2]. Manja Frieze-Hamim, et al. Abstract 3075: Antitumor activity of M8891, a potent and reversible inhibitor of methionine aminopeptidase 2.

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