

## Product Data Sheet

Product Name: MET kinase-IN-4

Cat. No.: GC74096

### Chemical Properties

Cas. No. 888719-03-7

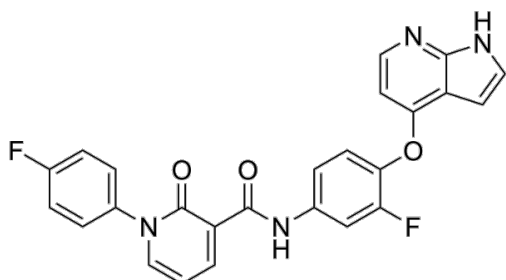
Formula  $C_{25}H_{16}F_2N_4O_3$  M.Wt 458.42

Solubility DMSO : 100 mg/mL (218.14 mM; Need ultrasonic) Storage 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

MET kinase-IN-4 is an orally active Met kinase inhibitor. MET kinase-IN-4 has potent Met kinase inhibitory activity with an IC<sub>50</sub> value of 1.9 nM. MET kinase-IN-4 can be used for the research of cancer.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

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

## Product Data Sheet

---

MET kinase-IN-4 (Compound 2) has potent Met kinase inhibitory activity with an IC<sub>50</sub> value of 1.9 nM[1]. MET kinase-IN-4 inhibits Flt-3 and VEGFR-2 kinases with IC<sub>50</sub> values of 4 and 27 nM, respectively[1]. MET kinase-IN-4 (3 µM) shows good metabolic stability in both human and mouse liver microsomes[1].

MET kinase-IN-4 (Compound 2) (i.v., p.o.; 5, 10 mg/kg) possesses a favorable pharmacokinetic profile in mice[1]. MET kinase-IN-4 (p.o.; 6.25, 12.5, 25 and 50 mg/kg; once a day) demonstrates significant in vivo antitumor activity in the GTL-16 human gastric carcinoma xenograft model[1].

### References:

[1]. Kyoung Soon Kim, et al. Discovery of pyrrolopyridine-pyridone based inhibitors of Met kinase: synthesis, X-ray crystallographic analysis, and biological activities. J Med Chem. 2008 Sep 11;51(17):5330-41.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

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