

Product Data Sheet

Product Name: RMC-0331

Cat. No.: GC62494

Chemical Properties

Cas. No. 2488788-52-7

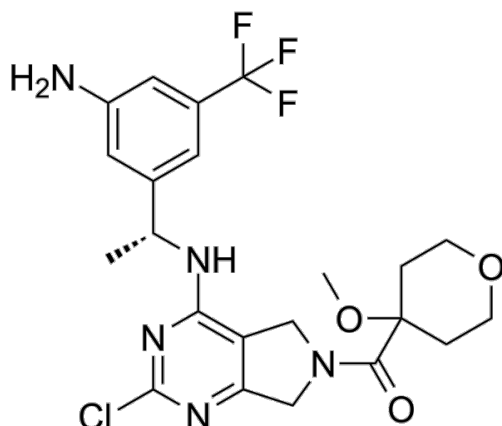
Formula $C_{22}H_{25}ClF_3N_5O_3$ M.Wt 499.91

Solubility DMSO : 125 mg/mL (250.05 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

RMC-0331 (RM-023) is a potent, selective and orally bioavailable SOS1 inhibitor. RMC-0331 is an in vivo tool compound that blocks RAS activation via disruption of the RAS-SOS1 interaction[1].

RMC-0331 has an IC₅₀ of 71 nM measuring by the rate of GDP/GTP exchange in vitro[1].

RMC-0331 (100-250 mg/kg; p.o.; qd; immunocompetent mice) shows single agent anti-tumor activity

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

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in SHP2-mutant models[1].

[1]. Andreas Buckl, et al. Discovery of a Potent, Selective and Orally Bioavailable SOS1 Inhibitor, RMC-0331 (RM-023), an in vivo Tool Compound that Blocks RAS Activation via Disruption of the RAS-SOS1 Interaction.

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