

Product Data Sheet

Product Name: CSF1R-IN-2

Cat. No.: GC64961

Chemical Properties

Cas. No. 2271119-26-5

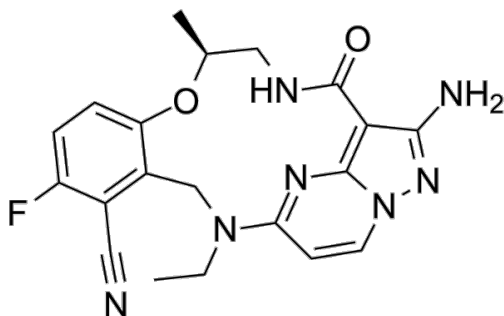
Formula C₂₀H₂₀N₇O₂ M.Wt 409.42

Solubility DMSO : 25 mg/mL (61.06 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

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

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CSF1R-IN-2 (compound 5) is an oral-active inhibitor of SRC, MET and c-FMS, with IC₅₀ values of 0.12 nM, 0.14 nM and 0.76 nM for SRC, MET and c-FMS respectively[1].

CSF1R-IN-2 (compound 5) causes the suppression of MET autophosphorylation as well as the downstream STAT3, ERK and AKT phosphorylation at IC₅₀ values of around 1-3 nM in SNU-5 and MKN-45 cell lines[1].

CSF1R-IN-2 (compound 5: p.o., BID, 13 days) treatment results in an 85% tumor regression and no body weight loss is observed after 21 days treatment in mice[1]. CSF1R-IN-2 (compound 5: p.o., BID, 10 days) demonstrates the ability to inhibit tumor growth at 44% and 67% at the dose of 5 mg/kg, BID and 15 mg/kg, BID, respectively in SCID/Beige mice[1]. CSF1R-IN-2 (compound 5) inhibits MET activity in MKN-45 tumors following oral administration in mice[1].

[1]. WO 2019023417 A1.

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