

Product Data Sheet

Product Name: (Rac)-LRK-4189

Cat. No.: GC80490

Chemical Properties

Cas. No. 3063345-48-9

Formula $C_{43}H_{49}F_2N_9O_4$

M.Wt 793.9

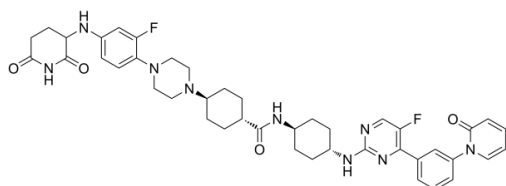
Solubility

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

(Rac)-LRK-4189 is the racemate of LRK-4189. LRK-4189 (Compound 603) is an orally active and selective PIP4K2C PROTAC degrader with a $DC_{50} < 500$ nM for PIP4K2C in MOLT-4 cells. LRK-4189 has an antitumor activity and induces intrinsic cell death and activates interferon signaling, therefore triggering immune-mediated tumor killing in immune-inert microsatellite stable (MSS) CRC cells. LRK-4189 can be used for cancers like MSS colorectal carcinoma research [1].

References:

[1]. Krista Goodman, et al. Discovery of LRK-4189, a first-in-class degrader of the lipid kinase

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

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PIP4K2C for the treatment of Microsatellite Stable (MSS) Colorectal Carcinoma. ACS. 2025 Aug 20.

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