

Product Data Sheet

Product Name: MRTX-EX185 formic

Cat. No.: GC73115

Chemical Properties

Cas. No.

Formula $C_{34}H_{35}FN_6O_4$ M.Wt 610.68

Solubility DMSO : 125 mg/mL (204.69 mM; Storage -20°C
Need ultrasonic)

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.

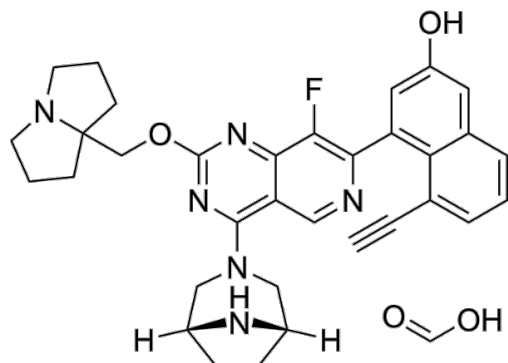
Caution: Product has not been fully validated for medical applications. For research use only.

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

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Structure



Background

MRTX-EX185 formic is a potent inhibitor of GDP-loaded KRAS and KRAS(G12D), with an IC₅₀ of 90 nM for KRAS(G12D). MRTX-EX185 formic also binds GDP-loaded HRAS. MRTX-EX185 (formic) is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

References:

[1]. Vasta JD, et, al. KRAS is vulnerable to reversible switch-II pocket engagement in cells. Nat Chem Biol. 2022 Mar 21.

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