

Product Data Sheet

Product Name: NTRC 0066-0

Cat. No.: GC62259

Chemical Properties

Cas. No. 1817791-73-3

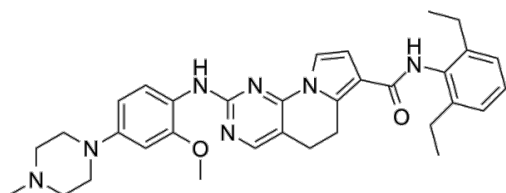
Formula $C_{33}H_{39}N_7O_2$ M.Wt 565.71

Solubility DMSO : 20.83 mg/mL (36.82 mM); ultrasonic and warming and heat to 60°C) 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

NTRC 0066-0 is a selective threonine tyrosine kinase (TTK) inhibitor (IC₅₀=0.9 nM). NTRC 0066-0 can be used for the research of cancer[1].

NTRC 0066-0 has a low selectivity entropy and a relatively long target residence time on TTK and inhibits the proliferation of diverse cancer cell lines with a potency in the same range as that of classic chemotherapeutic agents such as doxorubicin. NTRC 0066-0, has subnanomolar potency in

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a TTK enzyme assay and inhibits the proliferation of cancer cell lines from diverse tumor tissue origin with IC₅₀ from 11 to 290 nM at 5-day incubation time[1].

NTRC 0066-0 inhibited tumor growth in a mouse xenograft model of the human triple-negative breast cancer (TNBC) cell line MDA-MB-231[1].

[1]. Uitdehaag JCM, et al. Target Residence Time-Guided Optimization on TTK Kinase Results in Inhibitors with Potent Anti-Proliferative Activity. J Mol Biol. 2017;429(14):2211-2230.

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