

Product Data Sheet

Product Name: DB18
Cat. No.: GC73007

Chemical Properties

Cas. No. 2587177-94-2

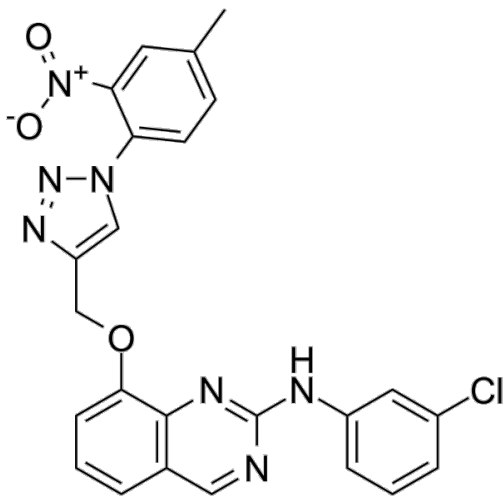
Formula $C_{24}H_{18}ClN_7O_3$ M.Wt 487.9

Solubility DMSO : 50 mg/mL (102.48 mM; ultrasonic and warming and heat to 60°C) Storage -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

DB18 is a potent and selective inhibitor of CDC2-like kinases (CLKs), with IC_{50} values in the range of 10-30 nM for CLK1, CLK2 and CLK4. DB18 has anti-tumor activity^[1].

References:

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

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[1]. Brahmaiah D, et al. Discovery of DB18, a potent inhibitor of CLK kinases with a high selectivity against DYRK1A kinase. Bioorg Med Chem. 2021 Feb 1;31:115962.

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