

Product Data Sheet

Product Name: DBPR728

Cat. No.: GC74000

Chemical Properties

Cas. No. 2702965-64-6

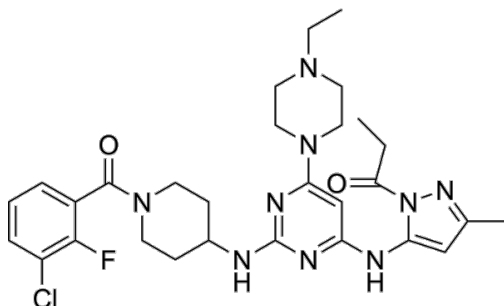
Formula $C_{29}H_{37}ClFN_9O_2$ M.Wt 598.11

Solubility 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

DBPR728 is an acyl prodrug of 6K465 that carries fewer hydrogen bond donors. 6K465 acts as an Aurora kinase inhibitor that destabilizes MYC family cancer proteins and has antitumor efficacy. DBPR728 has the potential to inhibit cancers that overexpress C-MYC and N-MYC, with a 10-fold increase in oral bioavailability compared to 6K465.

References:

[1]. Chang C P, et al. Discovery of a long half-life AURKA inhibitor to treat MYC-amplified solid tumors as a monotherapy and in combination with everolimus[J]. Molecular Cancer Therapeutics,

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

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2024: OF1-OF14.

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