

Product Data Sheet

Product Name: CB 300919

Cat. No.: GC16709

Chemical Properties

Cas. No. 289715-28-2

Chemical Name 4-[[7-chloro-3-methyl-2-[(4-methylpiperazin-1-yl)methyl]-4-oxoquinazolin-6-yl]methyl-prop-2-ynylamino]-N-(pyridin-3-ylmethyl)benzamide

SMILES CN1CCN(CC1)CC2=NC3=CC(=C(C=C3C(=O)N2C)CN(CC#C)C4=CC=C(C=C4)C(=O)NCC5=CN=CC=C5)Cl

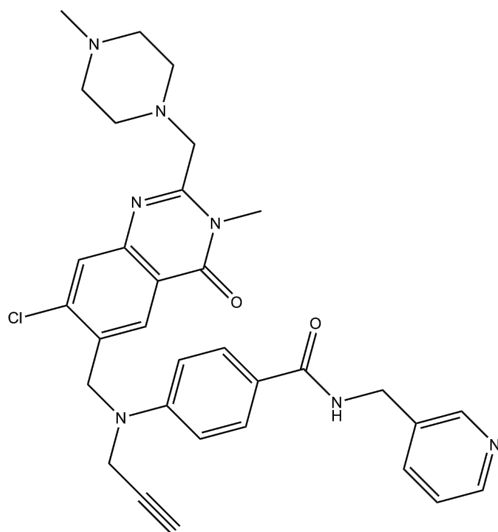
Formula $C_{32}H_{34}ClN_7O_2$ M.Wt 584.11

Solubility Soluble in DMSO 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

CB 300919 is a quinazoline-based antitumour agent with high activity in the CH1 human ovarian tumour xenograft. CB 300919 has a continuous exposure (96 h) growth inhibition IC₅₀ value of 2 nM in human CH1 ovarian tumor xenograft[1].

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

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References:

- [1]. Lockman JW, et al. Analogues of 4-[(7-Bromo-2-methyl-4-oxo-3H-quinazolin-6-yl)methylprop-2-ynylamino]-N-(3-pyridylmethyl)benzamide (CB-30865) as Potent Inhibitors of Nicotinamide Phosphoribosyltransferase (Nampt). J. Med. Chem., 2010, 53 (24), pp 8734-8746
- [2]. Bavetsias, V. et al. The Design and Synthesis of Water-Soluble Analogues of CB30865, a Quinazolin-4-one-Based Antitumor Agent. Journal of Medicinal Chemistry (2002), 45(17), 3692-3702.

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