

Product Data Sheet

Product Name: QLT0267

Cat. No.: GC49221

Chemical Properties

Cas. No. 866409-68-9

SMILES COC1=CC=C(N=NC2=C(N)NN=C2N)C=C1

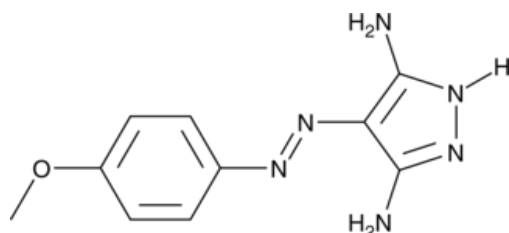
Formula C₁₀H₁₂N₆O M.Wt 232.2

Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, Ethanol: slightly soluble
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

QLT0267 is an inhibitor of integrin-linked kinase (ILK; IC₅₀ = 26 nM).¹ It is greater than 10-fold selective for ILK over cyclin-dependent kinase 1 (Cdk1), Cdk2, and Cdk5, as well as greater than 1,000-fold selective for ILK over C-terminal Src kinase (CSK), DNA-PK, Pim-1, Akt, PKC, and casein kinase 2 (CK2), at 10 mg/ml. QLT0267 inhibits the growth of NPA187 papillary thyroid cancer cells (IC₅₀ = ~3 μM) and induces apoptosis in NPA187, DRO, and K4 cancer cell lines. *In vivo*, QLT0267 (100 mg/kg) reduces tumor growth in a DRO mouse xenograft model. It also reduces tumor volume and intratumoral blood vessel mass in a U87MG glioblastoma mouse xenograft model.²

1. Younes, M.N., Kim, S., Yigitbasi, O.G., et al. Integrin-linked kinase is a potential therapeutic target for anaplastic thyroid cancer. *Mol. Cancer Ther.* 4(8):1146-1156 (2005).
2. Edwards, L.A., Woo, J.,

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

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Huxham, L.A., et al. Suppression of VEGF secretion and changes in glioblastoma multiforme microenvironment by inhibition of integrin-linked kinase (ILK) Mol. Cancer Ther. 7(1)59-70(2008)

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