

Product Data Sheet

Product Name: YKL-06-061

Cat. No.: GC37951

Chemical Properties

Cas. No. 2172617-15-9

SMILES O=C1N(C2=NC(NC3=CC=C(C=C3OC)N4CCN(CC4)C)=NC=C2CN1C5=C(C=CC=C5C)C)C6CCCC6

Formula $C_{30}H_{37}N_7O_2$ M.Wt 527.66

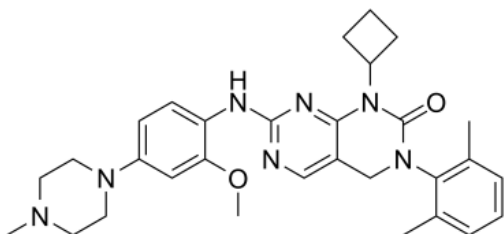
Solubility DMSO: 62.5 mg/mL (118.45 mM);
Water: < 0.1 mg/mL (insoluble)

Storage Store at -20°C, protect from light, stored under nitrogen

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

YKL-06-061 is a potent, selective, second-generation salt-inducible kinase (SIK) inhibitor with IC₅₀ values of 6.56 nM/1.77 nM/20.5 nM for SIK1/2/3, respectively[1]. IC₅₀: 6.56 nM/1.77 nM/20.5 nM (SIK1/2/3)[1].

[1]. Mujahid N, et al. A UV-Independent Topical Small-Molecule Approach for Melanin Production in

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

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Human Skin. Cell Rep. 2017 Jun 13;19(11):2177-2184.

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