

Product Data Sheet

Product Name: JWG-071

Cat. No.: GC38804

Chemical Properties

Cas. No. 2250323-50-1

SMILES COC1=CC(C(N2CCC(N3CCN(C)CC3)CC2)=O)=CC=C1NC4=NC=C(N(C)C5=O)C(N(C6=CC=CC=C65)C(C)CC)=N4

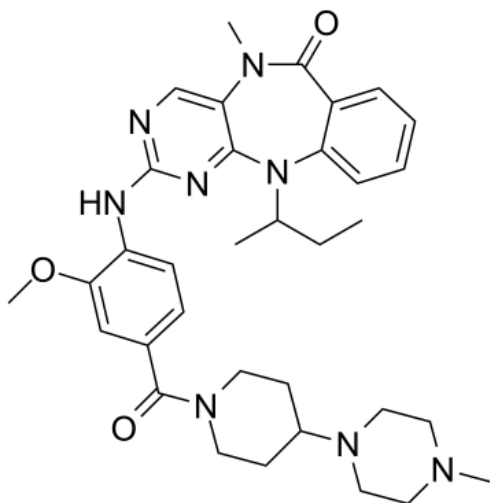
Formula $C_{34}H_{44}N_8O_3$ M.Wt 612.76

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

JWG-071 is the first reported kinase-selective chemical probe for ERK5. JWG-071 improves ERK5 activity and BRD4 selectivity. JWG-071 will be a much-needed chemical probe for deconvoluting ERK5 and BRD4 pharmacology[1].

JWG-071 inhibits ERK5 and LRRK2 with IC₅₀ of 88 and 109 nM, respectively[1].

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

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[1]. Wang J, et al. Structural and Atropisomeric Factors Governing the Selectivity of Pyrimido-benzodiazepinones as Inhibitors of Kinases and Bromodomains. ACS Chem Biol. 2018 Sep 21;13(9):2438-2448

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