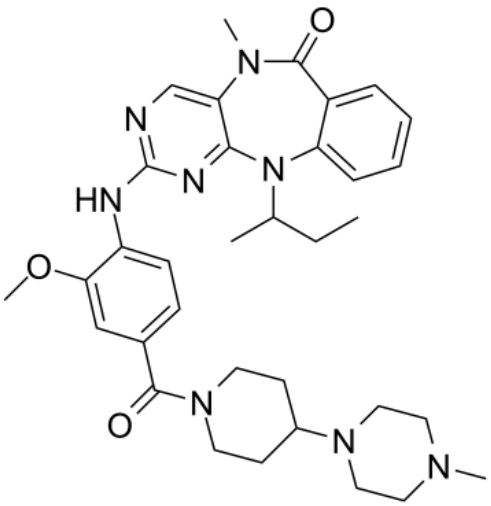
Product Data Sheet

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.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
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[1]. Wang J, et al. Structural and Atropisomeric Factors Governing the Selectivity of Pyrimido-benzodiazipinonesas Inhibitors of Kinases and Bromodomains. ACS Chem Biol. 2018 Sep 21;13(9):2438-2448

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