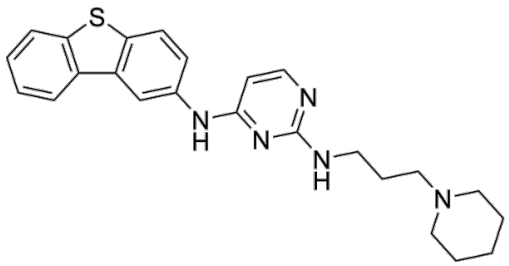
Product Data Sheet

Product Name: Kir4.1-IN-1
Cat. No.: GC79540

Chemical Properties

Cas. No.			
Formula	$C_{24}H_{27}N_5S$	M.Wt	417.57
Solubility	DMSO: 50 mg/mL (119.74 mM; Need ultrasonic)	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

Kir4.1-IN-1 (Compound 37) is a potent, selective, blood-brain barrier permeable Kir4.1 inhibitor with an IC_{50} of 0.19 μM. Kir4.1-IN-1 exhibits rapid-onset antidepressant effects [1].

References:

[1]. Wang S, et al. Discovery of 2,4-Disubstituted Pyrimidine Derivatives as Novel Kir4.1 Inhibitors with Rapid-Onset Antidepressant Effect. J Med Chem. 2026 Jan 22;69(2):1606-1627.

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
Address: 10292 Central Ave. #205, Montclair, CA, USA