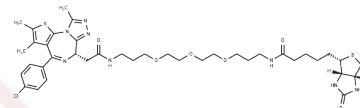


## Biotinylated-JQ1

## Chemical Properties

CAS No. :	1635437-52-3
Formula:	C39H53ClN8O6S2
Molecular Weight:	829.47
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Biotinylated-JQ1 is a biotin-labeled probe that binds specifically to BRD2/3/4. It can be used for activity assays, functional studies, and binding affinity analysis in epigenetic research.
Targets(IC50)	Epigenetic Reader Domain
In vitro	Biotinylated-JQ1 exhibits dose-dependent growth inhibition in MM1.S cells (EC50 = 0.4 uM) [1].

## Solubility Information

Solubility	DMSO: 144 mg/mL (173.6 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2056 mL	6.0279 mL	12.0559 mL
5 mM	0.2411 mL	1.2056 mL	2.4112 mL
10 mM	0.1206 mL	0.6028 mL	1.2056 mL
50 mM	0.0241 mL	0.1206 mL	0.2411 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Hagan PM, et al. ULK1/2 Inhibitors that Degrade ATG13 Effectively Target KRAS-Mutant Cancers. bioRxiv [Preprint]. 2025 Oct 15:2025.10.14.682402.

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