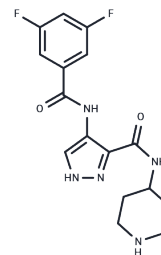


## CDKL5/GSK3-IN-1

## Chemical Properties

CAS No. :	844442-32-6
Formula:	C16H17F2N5O2
Molecular Weight:	349.335
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	CDKL5/GSK3-IN-1 (Compound 2) acts as a potent and selective chemical probe for CDKL5 and GSK3. It effectively inhibits CDKL5 and GSK3 $\alpha/\beta$ with IC <sub>50</sub> values of 4.6 nM for CDKL5, 24 nM for GSK3 $\beta$ , and 9.5 nM for GSK3 $\alpha$ in NanoBRET assays. This compound is useful in the study of central nervous system disorders.
Targets(IC <sub>50</sub> )	GSK-3

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8625 mL	14.3127 mL	28.6254 mL
5 mM	0.5725 mL	2.8625 mL	5.7251 mL
10 mM	0.2863 mL	1.4313 mL	2.8625 mL
50 mM	0.0573 mL	0.2863 mL	0.5725 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.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481