

## AZ PFKFB3 26

## Chemical Properties

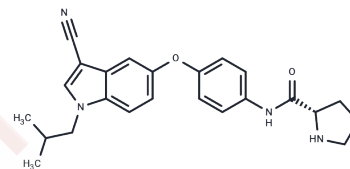
CAS No. : 1704740-52-2

Formula: C<sub>24</sub>H<sub>26</sub>N<sub>4</sub>O<sub>2</sub>

Molecular Weight: 402.49

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	AZ PFKFB3 26 is an effective and selective PFKFB3 inhibitor with an IC <sub>50</sub> of 23 nM. The IC <sub>50</sub> s for PFKFB1 and PFKFB2 are 2.06 and 0.384 μM, respectively.
Targets(IC <sub>50</sub> )	Glucokinase, Autophagy

## Solubility Information

Solubility	DMSO: 4.5 mg/mL (11.18 mM), when pH is adjusted to 3 with HCl. 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	2.4845 mL	12.4227 mL	24.8453 mL
5 mM	0.4969 mL	2.4845 mL	4.9691 mL
10 mM	0.2485 mL	1.2423 mL	2.4845 mL
50 mM	0.0497 mL	0.2485 mL	0.4969 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

Boyd S, et al. Structure-Based Design of Potent and Selective Inhibitors of the Metabolic Kinase PFKFB3. J Med Chem. 2015 Apr 23;58(8):3611-25.

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