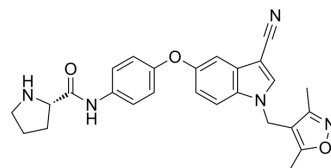


AZ-PFKFB3-67

Cat. No.:	HY-101972		
CAS No.:	1704741-11-6		
Molecular Formula:	C ₂₆ H ₂₅ N ₅ O ₃		
Molecular Weight:	455.51		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 250 mg/mL (548.84 mM)
 * "≥" means soluble, but saturation unknown.

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.1953 mL	10.9767 mL	21.9534 mL
	5 mM	0.4391 mL	2.1953 mL	4.3907 mL
	10 mM	0.2195 mL	1.0977 mL	2.1953 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

AZ-PFKFB3-67 is potent and selective metabolic kinase PFKFB3 inhibitor, with IC₅₀s of 11, 159 and 1130 nM for PFKFB3, PFKFB2 and PFKFB1 respectively^[1].

IC₅₀ & Target

IC₅₀: 11 nM (PFKFB3), 159 nM (PFKFB2), 1130 nM (PFKFB1)^[1]

REFERENCES

[1]. Boyd S, et al. Structure-Based Design of Potent and Selective Inhibitors of the Metabolic Kinase PFKFB3. J Med Chem. 2015;58(8):3611-3625.

Caution: Product has not been fully validated for medical applications. For research use only.

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