

## PKM2 activator 2

## Chemical Properties

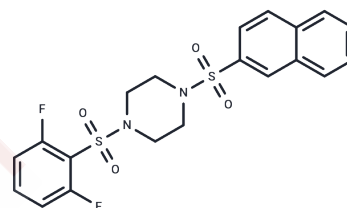
CAS No. : 1186660-06-9

Formula: C<sub>20</sub>H<sub>18</sub>F<sub>2</sub>N<sub>2</sub>O<sub>4</sub>S<sub>2</sub>

Molecular Weight: 452.49

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	PKM2 activator 2, with an AC <sub>50</sub> value of 66 nM, is a pyruvate kinase M2 (PKM2) activator that demonstrates anti-tumor proliferative properties and attenuates the Warburg effect by normalizing cellular glycolytic metabolism through the activation of PKM2.
Targets(IC <sub>50</sub> )	PKM
In vitro	PKM2 activator 2 (compound 28) is a highly potent activator, activates pyruvate kinase with an AC <sub>50</sub> value of 66 nM in the luciferase-coupled assay.[1]

## Solubility Information

Solubility	DMSO: 4.54 mg/mL (10.03 mM), Sonication and heating to 60°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.210 mL	11.050 mL	22.0999 mL
5 mM	0.442 mL	2.210 mL	4.420 mL
10 mM	0.221 mL	1.105 mL	2.210 mL
50 mM	0.0442 mL	0.221 mL	0.442 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

Boxer MB, et al. Evaluation of substituted N,N'-diarylsulfonamides as activators of the tumor cell specific M2 isoform of pyruvate kinase. J Med Chem. 2010;53(3):1048-1055.

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