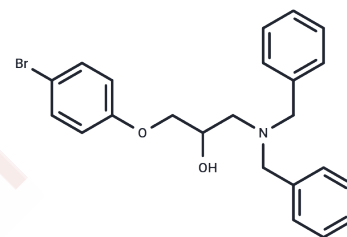


## AMPK activator 12

## Chemical Properties

CAS No. :	431920-24-0
Formula:	C <sub>23</sub> H <sub>24</sub> BrNO <sub>2</sub>
Molecular Weight:	426.35
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	AMPK activator 12 is an AMPK activator and GDF15 inducer that elevates the expression level of GDF15 protein in human hepatocytes, which can be used for cancer research.
Targets(IC50)	AMPK

## Solubility Information

Solubility	DMSO: 100 mg/mL (234.55 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 5 mg/mL (11.73 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3455 mL	11.7275 mL	23.4549 mL
5 mM	0.4691 mL	2.3455 mL	4.691 mL
10 mM	0.2345 mL	1.1727 mL	2.3455 mL
50 mM	0.0469 mL	0.2345 mL	0.4691 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

Meijian Zhang, et al. Design and Synthesis of AMPK Activators and GDF15 Inducers. Molecules. 2023 Jul 17;28(14): 5468.

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