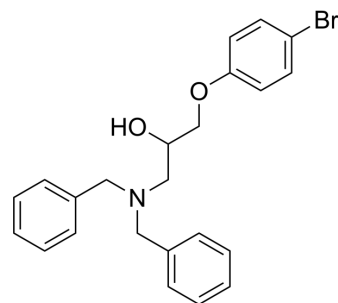


AMPK activator 12

Cat. No.:	HY-149406		
CAS No.:	431920-24-0		
Molecular Formula:	C ₂₃ H ₂₄ BrNO ₂		
Molecular Weight:	426.35		
Target:	AMPK		
Pathway:	Epigenetics; PI3K/Akt/mTOR		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 200 mg/mL (469.10 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	2.3455 mL	11.7275 mL	23.4549 mL
	5 mM	0.4691 mL	2.3455 mL	4.6910 mL
	10 mM	0.2345 mL	1.1727 mL	2.3455 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 5 mg/mL (11.73 mM); Clear solution; Need ultrasonic			

BIOLOGICAL ACTIVITY

Description	AMPK activator 12 (compound 21) is a potent AMPK activator and GDF15 inducer. AMPK activator 12 increases GDF15 protein levels in human hepatic cells ^[1] .
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REFERENCES

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

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

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