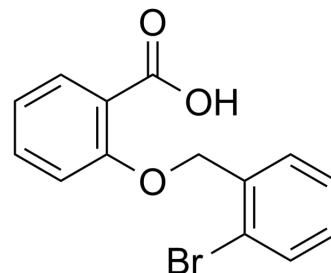


ML-097

Cat. No.:	HY-118208		
CAS No.:	743456-83-9		
Molecular Formula:	C ₁₄ H ₁₁ BrO ₃		
Molecular Weight:	307.14		
Target:	Ras		
Pathway:	GPCR/G Protein		
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 : 100 mg/mL (325.58 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.2558 mL	16.2792 mL	32.5584 mL
		5 mM	0.6512 mL	3.2558 mL	6.5117 mL
10 mM		0.3256 mL	1.6279 mL	3.2558 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: ≥ 2.5 mg/mL (8.14 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	ML-097 (CID-2160985) is a pan Ras-related GTPases activator that can activate Rac1, cell division cycle 42, Ras, and Rab7 ^[1] .
In Vitro	ML-099 activates cell division cycle 42 activated mutant, cell division cycle 42 wild type, Ras protein wild type, GTP-binding protein (Rab7), Rac1 protein activated mutant, Rac1 protein wild type, and Ras protein activated mutant with EC ₅₀ values of 50.11 nM, 102.32 nM, 109.64 nM, 20.41 nM, 81.28 nM, 151.35 nM, and 93.32 nM, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Sci Adv. 2023 May 24;9(21):eadg1778.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Zurab Surviladze, et al. Three small molecule pan activator families of Ras-related GTPases.

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

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