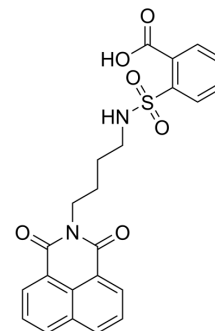


DBIBB

Cat. No.:	HY-117779		
CAS No.:	1569309-92-7		
Molecular Formula:	C ₂₃ H ₂₀ N ₂ O ₆ S		
Molecular Weight:	452.48		
Target:	Apoptosis		
Pathway:	Apoptosis		
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 (221.00 mM)
 * "≥" means soluble, but saturation unknown.

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.2100 mL	11.0502 mL	22.1004 mL
	5 mM	0.4420 mL	2.2100 mL	4.4201 mL
	10 mM	0.2210 mL	1.1050 mL	2.2100 mL

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

BIOLOGICAL ACTIVITY

Description

DBIBB is a specific nonlipid agonist of the type 2 G protein coupled receptor for lysophosphatidic acid (LPA2). DBIBB mitigates the gastrointestinal radiation syndrome, increases intestinal crypt survival and enterocyte proliferation, and reduces apoptosis. DBIBB represents a agent candidate capable of mitigating acute radiation syndrome caused by high-dose γ -radiation to the hematopoietic and gastrointestinal system^[1].

REFERENCES

[1]. Patil R, et al. Combined mitigation of the gastrointestinal and hematopoietic acute radiation syndromes by an LPA2 receptor-specific nonlipid agonist. Chem Biol. 2015;22(2):206-216.

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

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