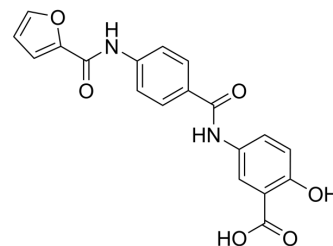


SIRT6-IN-2

Cat. No.:	HY-103721		
CAS No.:	891002-11-2		
Molecular Formula:	C ₁₉ H ₁₄ N ₂ O ₆		
Molecular Weight:	366.32		
Target:	Sirtuin		
Pathway:	Cell Cycle/DNA Damage; Epigenetics		
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 : 62.5 mg/mL (170.62 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.7299 mL	13.6493 mL	27.2985 mL
	5 mM	0.5460 mL	2.7299 mL	5.4597 mL
	10 mM	0.2730 mL	1.3649 mL	2.7299 mL

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

BIOLOGICAL ACTIVITY

Description

SIRT6-IN-2 (Compound 5) is a selective SIRT6 inhibitor (IC₅₀: 34 μM). SIRT6-IN-2 increases acetylation of H3K9 and increases glucose uptake in cultured cells. SIRT6-IN-2 also reduces T cell proliferation. SIRT6-IN-2 has immunosuppressive and chemosensitizing effects^[1].

IC₅₀ & Target

SIRT6^[1]

REFERENCES

[1]. Damonte P, et al. SIRT6 inhibitors with salicylate-like structure show immunosuppressive and chemosensitizing effects. *Bioorg Med Chem*. 2017 Oct 15;25(20):5849-5858.

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

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