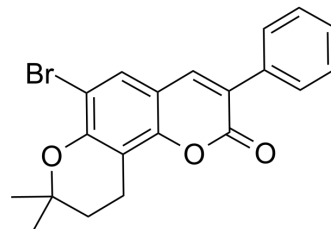


Nrf2 activator-2

Cat. No.:	HY-145879		
CAS No.:	2770448-53-6		
Molecular Formula:	C ₂₀ H ₁₇ BrO ₃		
Molecular Weight:	385.25		
Target:	Keap1-Nrf2		
Pathway:	NF-κB		
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 : 25 mg/mL (64.89 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.5957 mL	12.9786 mL	25.9572 mL
5 mM	0.5191 mL	2.5957 mL	5.1914 mL
10 mM	0.2596 mL	1.2979 mL	2.5957 mL

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

BIOLOGICAL ACTIVITY

Description

Nrf2 activator-2 (compound O15), a Osthole derivative, is a potent Nrf2 agonist with an EC₅₀ of 2.9 μM in 293 T cells. Nrf2 activator-2 effectively inhibits the interaction between Keap1 and Nrf2, thus showing the activation effect on Nrf2. Nrf2 activator-2 shows a marked decrease in the level of ubiquitinated Nrf2 in cells^[1].

REFERENCES

[1]. Weiwei Huang, et al. Design and synthesis of Osthole-based compounds as potential Nrf2 agonists. *Bioorg Med Chem Lett.* 2022 Apr 1;61:128547.

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

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