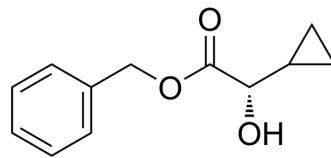


(S)-Benzyl 2-cyclopropyl-2-hydroxyacetate

Cat. No.:	HY-49556		
CAS No.:	2414393-48-7		
Molecular Formula:	C ₁₂ H ₁₄ O ₃		
Molecular Weight:	206.24		
Target:	Others		
Pathway:	Others		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description

(S)-Benzyl 2-cyclopropyl-2-hydroxyacetate is an intermediate reactant in the synthesis of Camptothecin (HY-16560). Camptothecin is an inhibitor of the DNA topoisomerase Topo I, with $IC_{50}=679$ nM^{[1][2]}.

REFERENCES

- [1]. Li Zhen, et al. Camptothecin derivative, and pharmaceutical composition and use thereof. World Intellectual Property Organization, WO2023020605 A1. 2023-02-23.
- [2]. Huang Q, et al. Evolution in medicinal chemistry of E-ring-modified Camptothecin analogs as anticancer agents. Eur J Med Chem. 2013;63:746-757.

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

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