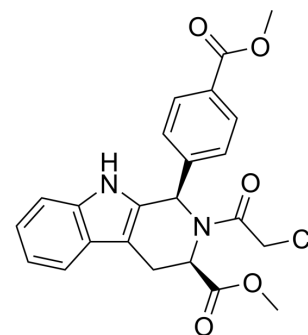


(1R,3R)-RSL3

Cat. No.:	HY-100218C		
CAS No.:	1219810-15-7		
Molecular Formula:	C ₂₃ H ₂₁ ClN ₂ O ₅		
Molecular Weight:	440.88		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description

(1R,3R)-RSL3 is an isomer of RSL3 (HY-100218A). RSL3 ((1S,3R)-RSL3) is an inhibitor of glutathione peroxidase 4 (GPX4) (ferroptosis activator), reduces the expression of GPX4 protein, and induces ferroptotic death of head and neck cancer cell. RSL3 increases the expression of p62 and Nrf2 and inactivates Keap1 in HN3-rsIR cells^[1].

REFERENCES

[1]. Shin D, et al. Nrf2 inhibition reverses resistance to GPX4 inhibitor-induced ferroptosis in head and neck cancer. *Free Radic Biol Med*. 2018 Dec;129:454-462.

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

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