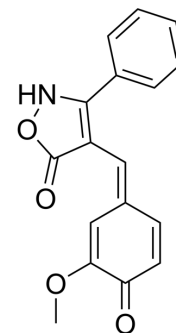


QM295

Cat. No.:	HY-148520
CAS No.:	1241046-32-1
Molecular Formula:	C ₁₇ H ₁₃ NO ₄
Molecular Weight:	295.29
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (338.65 mM; Need ultrasonic)					
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div>	Mass	1 mg	5 mg	10 mg
		1 mM	3.3865 mL	16.9325 mL	33.8650 mL	
		5 mM	0.6773 mL	3.3865 mL	6.7730 mL	
		10 mM	0.3387 mL	1.6933 mL	3.3865 mL	
Please refer to the solubility information to select the appropriate solvent.						

BIOLOGICAL ACTIVITY

Description	QM295 is an endoplasmic reticulum oxidation 1 (ERO1) inhibitor with selectively reversible thiol reactivity. QM295 can be used for the research of endoplasmic reticulum stress ^[1] .
In Vitro	QM295 (25 μM, 50 μM) inhibits the development of AUR fluorescence in a kinetic assay with an IC ₅₀ value of 1.9 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	QM295 (50 μM, 30 min) has the accumulation of an ERO1α form with lower mobility in vivo ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Jaime D Blais, et al. A small molecule inhibitor of endoplasmic reticulum oxidation 1 (ERO1) with selectively reversible thiol reactivity. J Biol Chem. 2010 Jul 2;285(27):20993-1003.

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

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