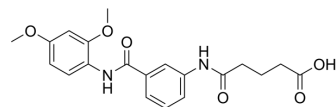


CZL55

Cat. No.:	HY-153068
CAS No.:	667408-87-9
Molecular Formula:	C ₂₀ H ₂₂ N ₂ O ₆
Molecular Weight:	386.4
Target:	Caspase
Pathway:	Apoptosis
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 166.67 mg/mL (431.34 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.5880 mL	12.9400 mL	25.8799 mL
	5 mM	0.5176 mL	2.5880 mL	5.1760 mL
	10 mM	0.2588 mL	1.2940 mL	2.5880 mL

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

BIOLOGICAL ACTIVITY

Description

CZL55 is a caspase-1 inhibitor with an IC₅₀ value of 24 nM. CZL55 can be used for the research of febrile seizures (FS)^[1].

IC₅₀ & Target

Caspase-1
24 nM (IC₅₀)

REFERENCES

[1]. Tang Y, et al. Structure-based discovery of CZL80, a caspase-1 inhibitor with therapeutic potential for febrile seizures and later enhanced epileptogenic susceptibility. Br J Pharmacol. 2020 Aug;177(15):3519-3534.

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

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