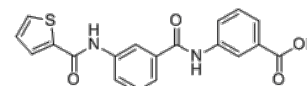


Product Name : CZL80
Cat. No. : PC-22034
CAS No. : 313482-91-6
Molecular Formula : C₁₉H₁₄N₂O₄S
Molecular Weight : 366.39
Target : Caspase
Solubility : 10 mM in DMSO



CAS: 313482-91-6

Biological Activity

Caspase-1 inhibitor CZL80 is a potent, selective, brain-penetrable **Caspase-1** inhibitor with IC₅₀ of 0.01 μM. CZL80 markedly reduced neuronal excitability and incidence of febrile seizures (FS) generation in neonatal mice. CZL80 relieves later enhanced epileptogenic susceptibility in adult mice. CZL80 is devoid of acute diazepam-like respiratory depression and chronic liver toxicity. CZL80 promotes the neurological recovery in PIS by inhibiting Caspase-1 within a long therapeutic time-window in mice with progressive ischemic stroke (PIS).

References

- Tang Y, et al. *Br J Pharmacol*. 2020 Aug;177(15):3519-3534.
Pan L, et al. *Acta Pharmacol Sin*. 2022 Nov;43(11):2817-2827.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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