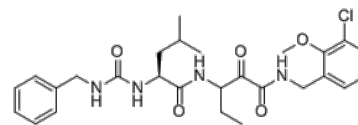


Product Name : NA-184
Cat. No. : PC-21909
CAS No. : 2688119-39-1
Molecular Formula : C₂₇H₃₅ClN₄O₅
Molecular Weight : 531.05
Target : Calpain
Solubility : 10 mM in DMSO



CAS: 2688119-39-1

Biological Activity

NA-184 is a potent, selective **calpain-2** inhibitor with K_i of 50 nM (human calpain-2) and IC_{50} of 134 nM (mouse calpain-2). NA-184 displays 20-fold selective over mouse calpain-1 (IC_{50} =2826 nM).

NA-184 does not exhibit significant inhibition on a variety of other cysteine-, serine- or metallo-proteases at concentrations up to 10 μ M, with exception of cathepsin L and B (K_i =1.9 and 220 nM).

NA-184 inhibits TBI-induced calpain-2 activation and cell death in mice and rats, both male and females.

NA-184 exhibits properties, including stability in plasma and liver and blood–brain barrier permeability.

References

Baudry M, et al. *Pharmacol Res Perspect.* 2024 Apr;12(2):e1181.

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

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