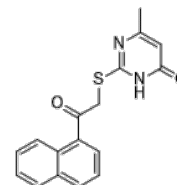


Product Name : I3MT-3
Cat. No. : PC-24222
CAS No. : 459420-09-8
Molecular Formula : C₁₇H₁₄N₂O₂S
Molecular Weight : 310.37
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

I3MT-3 (HMP3NE, 3MST inhibitor 3) is a potent, selective, cell-membrane permeable inhibitor of 3-Mercaptopyruvate sulfurtransferase (3MST) with IC₅₀ of 2.7 μM.

I3MT-3 displays limited activity against other 2 H₂S-producing enzymes cystathionine γ-lyase (CSE) and cystathionine β-synthase (CBS).

I3MT-3 (1 μM) almost completely suppressed 3MST activity in 3MST-overexpressing COS7 cells.

References

Kenjiro Hanaoka, et al. Sci Rep. 2017 Jan 12;7:40227

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

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