
Product Data Sheet

Product Name: cyt-PTPε Inhibitor-1

Cat. No.: GC35791

Chemical Properties

Cas. No. 428478-94-8

SMILES O=C(NC1=CC=C(C)C=C1)NC2=NN=C(COC3=CC=C(C)C=C3C)S2Formula C₁₉H₂₀N₄O₂S M.Wt 368.45

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

cyt-PTPε Inhibitor-1 is a potent cytosolic protein tyrosine phosphatase epsilon (cyt-PTPε) inhibitor, binds to the catalytic domain of cyt-PTPε, blocks c-Src activation (dephosphorylation of c-Src), and exhibits anti-osteoclastic activity[1]. cyt-PTPε[1]

cyt-PTPε Inhibitor-1 (Compound 62) is a potent cytosolic protein tyrosine phosphatase epsilon with anti-osteoclastic activity[1].

[1]. Ku B, et al. Identification of N-(5-(phenoxyethyl)-1,3,4-thiadiazol-2-yl)acetamide derivatives as novel protein tyrosine phosphatase epsilon inhibitors exhibiting anti-osteoclastic activity. *ioorg Med Chem*. 2018 Oct 1;26(18):5204-5211.

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

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