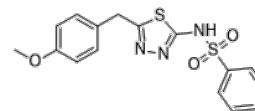


Product Name : OU749
Cat. No. : PC-22154
CAS No. : 519170-13-9
Molecular Formula : C₁₆H₁₅N₃O₃S₂
Molecular Weight : 361.43
Target : Other Targets
Solubility : 10 mM in DMSO



CAS: 519170-13-9

Biological Activity

OU749 is a potent, species-specific inhibitor of human gamma-glutamyl transpeptidase (GGT) with K_i of 17.6 μM. OU749 is a competitive inhibitor of the acceptor glycyl-glycine, occupies the acceptor site while binding to the gamma-glutamyl substrate complex. OU749 is more than 150-fold less toxic than the GGT inhibitor acivicin toward dividing cells. OU749 is species-specific, inhibiting GGT isolated from human kidney with 7-10-fold greater potency than GGT isolated from rat or mouse kidney. OU749 does not inhibit GGT from pig cells.

References

King JB, et al. J Biol Chem. 2009 Apr 3;284(14):9059-65.

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

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