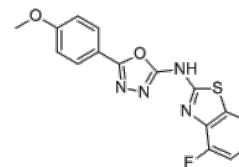


Product Name : MLS-0437605
Cat. No. : PC-35138
CAS No. : 862975-18-6
Molecular Formula : C₁₆H₁₁FN₄O₂S
Molecular Weight : 342.348
Target : Protein Phosphatase/PTP
Solubility : 10 mM in DMSO



Biological Activity

MLS-0437605 is a specific inhibitor of dual-specificity phosphatase 3 (**DUSP3**) with IC₅₀ of 3.7 μM, 7-fold selectivity over USP22 and >4-fold selectivity over other 10 PTPs (HePTP, TCPTP, PTP1B, etc.).

MLS-0437605 specifically inhibits collagen- and C-type lectin-like receptor 2-induced human platelet aggregation, thereby phenocopying the effect of DUSP3 deficiency in murine cells.

References

Musumeci L, et al. *Circulation*. 2015 Feb 17;131(7):656-68.

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

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