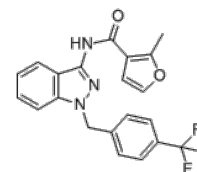


Product Name : NP-G2-044
Cat. No. : PC-21070
CAS No. : 1807454-59-6
Molecular Formula : C₂₁H₁₆F₃N₃O₂
Molecular Weight : 399.37
Target : Other Targets
Solubility : 10 mM in DMSO



CAS: 1807454-59-6

Biological Activity

NP-G2-044 is a small molecule inhibitor of actin-bundling protein **Fascin-1** (Fscn1), inhibits fascin-mediated actin bundling with IC₅₀ of 0.2 uM.

Fascin (E391A mutant) (from the actin-binding site 1) is insensitive to the inhibition by NP-G2-044.

NP-G2-044 engages the target fascin and blocks filopodial formation in cells, decreases filopodial formation resulting in decreased lamellipodial formation.

NP-G2-044 inhibits the migration of MDA-MB-231 tumor cells with IC₅₀ of ~10 uM.

NP-G2-044 (intraperitoneally and daily at 100 mg/kg) inhibits tumor metastasis on breast tumor metastasis in mouse models.

References

Shaoqin Han, et al. *Mol Oncol.* 2016 Aug;10(7):966-80.

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

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