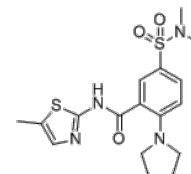


Product Name : NGI-1
Cat. No. : PC-60959
CAS No. : 790702-57-7
Molecular Formula : C₁₇H₂₂N₄O₃S₂
Molecular Weight : 394.508
Target : Other Targets
Solubility : 10 mM in DMSO



3. Baro M, et al. *Clin Cancer Res.* 2018 Jul 2. pii: clincanres.0792.2018. doi: 10.1158/1078-0432.CCR-18-0792.

Biological Activity

NGI-1 (ML414) is a potent, cell-permeable **oligosaccharyltransferase (OST)** inhibitor with IC₅₀ of 1.1 uM.
NGI-1 (ML414) blocks cell-surface localization and signaling of the epidermal growth factor receptor (EGFR) glycoprotein in NSCLC cells.
NGI-1 (ML414) causes cell-cycle arrest accompanied by induction of p21, autofluorescence, and cell morphology changes, all hallmarks of senescence.
NGI-1 (ML414) reduces the production of both OST products (free glycans and N-glycans).
NGI-1 (ML414) is a small molecule chemical probe with N-linked glycosylation inhibitory activity.

References

Puschnik AS, et al. *Cell Rep.* 2017 Dec 12;21(11):3032-3039.
Lopez-Sambrooks C, et al. *Nat Chem Biol.* 2016 Dec;12(12):1023-1030.

