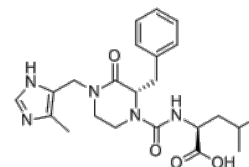


Product Name : GGTI 2418
Cat. No. : PC-62152
CAS No. : 501010-06-6
Molecular Formula : C₂₃H₃₁N₅O₄
Molecular Weight : 441.532
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

GGTI 2418 (GGTI-2418, PTX 100) is a highly potent, competitive, and selective peptidomimetic inhibitor of **geranylgeranyltransferase I (GGTI)** with IC₅₀ of 9.5 nM, displays 5,600-fold selectivity over FTase. GGTI 2418 demonstrates competitive inhibition of GGTase I against the H-Ras-CVLL protein with a K_i of 4.4 nM. GGTI 2418 suppresses the growth of human breast tumors in nude mouse xenografts. GGTI 2418 increases p27(Kip1) and induces significant regression of breast tumors.

References

- Kuchay S, et al. *Nature*. 2017 Jun 22;546(7659):554-558.
Kazi A, et al. *Mol Cell Biol*. 2009 Apr;29(8):2254-63.

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

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