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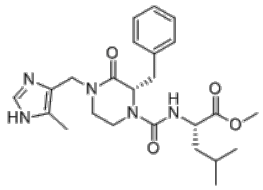
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	GGTI-2417
Cat. No.	:	PC-62151
CAS No.	:	501010-05-5
Molecular Formula	:	$C_{24}H_{33}N_5O_4$
Molecular Weight	:	455.559
Target	:	Other Targets
Solubility	:	10 mM in DMSO



Biological Activity

GGTI-2417 is the methyl ester prodrug of GGTI-2418, a highly potent, competitive, and selective inhibitor of **GGTase I**.
GGTI 2417 exhibits potent inhibitory activity against Rap1 geranylgeranylation with IC50 of 400 nM.
GGTI 2417 increases p27 protein levels and induces accumulation in the G0/G1 phase as well as apoptotic cell death in breast cancer cells, and prevents the degradation of nuclear p27.

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.

Falsetti SC, et al. ***Mol Cell Biol.*** 2007 Nov;27(22):8003-14.

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

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