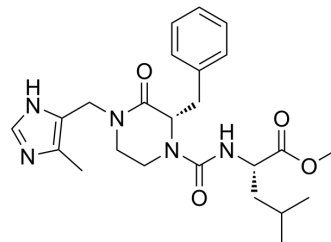


## GGTI-2417

Cat. No.:	HY-16230
CAS No.:	501010-05-5
Molecular Formula:	C <sub>24</sub> H <sub>33</sub> N <sub>5</sub> O <sub>4</sub>
Molecular Weight:	455.55
Target:	ROS Kinase; Apoptosis
Pathway:	Protein Tyrosine Kinase/RTK; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

GGTI-2417 is a potent and selective inhibitor of GGTase I. GGTI-2417 inhibits the Cdk2-mediated phosphorylation of p27<sup>Kip1</sup> at Thr187 and accumulates p27<sup>Kip1</sup> in the nucleus. GGTI-2417 also induces breast cancer cell apoptosis<sup>[1]</sup>.

## REFERENCES

[1]. Kazi A, et al. Blockade of protein geranylgeranylation inhibits Cdk2-dependent p27<sup>Kip1</sup> phosphorylation on Thr187 and accumulates p27<sup>Kip1</sup> in the nucleus: implications for breast cancer therapy. *Mol Cell Biol.* 2009 Apr;29(8):2254-63.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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