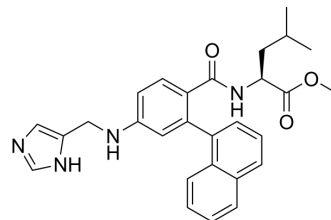


## GGTI-2147

Cat. No.:	HY-120229
CAS No.:	191102-87-1
Molecular Formula:	C <sub>28</sub> H <sub>30</sub> N <sub>4</sub> O <sub>3</sub>
Molecular Weight:	470.56
Target:	ROS Kinase
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

GGTI-2147 is a potent GGTase I inhibitor. GGTI-2147 blocks geranyl-geranylation of Rap1A and reduces the activity of Rac1 (one of substrates for GGTI) and ameliorates the OGD/R-induced neuronal apoptosis. GGTI-2147 can be used for neurodevelopmental disorders research, such as autism, depression, and schizophrenia<sup>[1]</sup>.

## REFERENCES

[1]. Shangfeng Gao, et al. Astrocyte GGTI-mediated Rac1 prenylation upregulates NF-κB expression and promotes neuronal apoptosis following hypoxia/ischemia. *Neuropharmacology*. 2016 Apr;103:44-56.

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

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