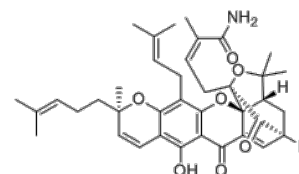


Product Name : Gambogic amide
Cat. No. : PC-70266
CAS No. : 286935-60-2
Molecular Formula : C₃₈H₄₅NO₇
Molecular Weight : 627.778
Target : Trk Receptor
Solubility : 10 mM in DMSO



Biological Activity

Gambogic amide is a potent, selective high affinity **TrkA** receptor agonist with K_d of 75 nM.

Gambogic amide selectively binds to TrkA, but not TrkB or TrkC, and robustly induces its tyrosine phosphorylation and downstream signaling activation, including Akt and MAPKs.

Gambogic amide potently represses cyclin A1 expression and blocks K562 cell proliferation.

Gambogic amide diminishes kainic acid-triggered neuronal cell death and decreases infarct volume in the transient middle cerebral artery occlusion model of stroke in mice.

References

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Chan CB, et al. *Oncogene*. 2009 Oct 29;28(43):3825-36.

Obianyo O, et al. *Biochim Biophys Acta*. 2013 Oct;1834(10):2213-8.

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

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