Gambogic amide

TrkA ligand

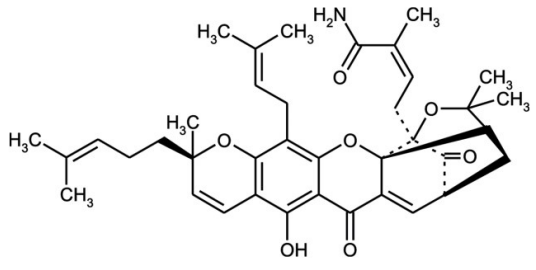
A novel small molecule NGF mimic discovered using a cell-based chemical genetic screen for TrkA agonists. Gambogic amide selectively binds to TrkA, triggers its tyrosine phosphorylation, elicits PI3-kinase/Akt and MAPK activation, provokes neurite outgrowth in PC12 cells and prevents neuronal cell death. EC_{50} for antiapoptotic activity is 5nM (see reference S.-W. Jang, et al. 2007).

Citations: 3 View Online »

Ordering Information Order Online »

BML-N159-0001	1mg
BML-N159-0005	5mg

Manuals, SDS & CofA View Online »


H3C
CH3
H2N
CH3
O
CH3
CH3
O
H3C
O
O
O
H3C
CH3
OH
O

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	Yellow-orange solid.
CAS	286935-60-2
Couple Target	Trk
Couple Type	Ligand
Formula	$C_{38}H_{45}NO_7$
MW	627.8
Purity	≥95% (HPLC)
Solubility	Soluble in DMSO (20mg/ml) or ethanol (20mg/ml).

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