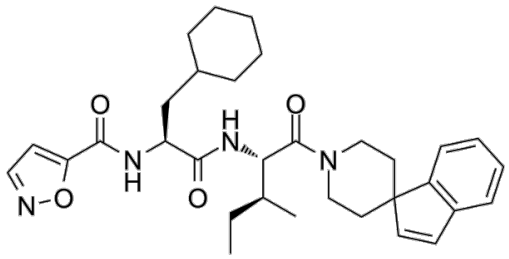
# Product Data Sheet

Product Name: GB-88
Cat. No.: GC65439

## Chemical Properties

| | | | |
|---|---|---|---|
| Cas. No. | 1416435-96-5 | | |
| Formula | C32H42N4O4 | M.Wt | 546.7 |
| Solubility | DMSO : 31.25 mg/mL (57.16 mM; Need ultrasonic) | Storage | Store at -20°C |
| General tips | For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months. | | |
| Shipping Condition | Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request. | | |
| Structure | | | |



## Background

GB-88 is an oral, selective non-peptide antagonist of PAR2, inhibits PAR2 activated Ca2+ release with an IC50 of 2 µM[1].

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GB-88 inhibits iCa2+ release induced in HT29 cells by trypsin, 2f-LIGRLO-NH2 and GB110 (PAR2 agonists). And antagonism by GB-88 is agonist dependent[1].

GB-88 (10 mg/kg, p.o. in olive oil) is both orally active and anti-inflammatory in vivo, with specific antagonist activity against four structurally and mechanistically different PAR2 agonists (2f-LIGRLO-NH2, trypsin, SLIGRL-NH2 and GB110)[1].GB-88 inhibits PAR2-induced acute inflammation in vivo[1].

[1]. Suen JY, et al. Modulating human proteinase activated receptor 2 with a novel antagonist (GB88) and agonist (GB110). Br J Pharmacol. 2012 Mar;165(5):1413-23.

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