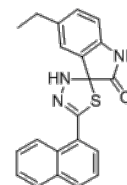


**Product Name** : Ogresmorphin-1  
**Cat. No.** : PC-49418  
**CAS No.** : 352563-21-4  
**Molecular Formula** : C<sub>21</sub>H<sub>17</sub>N<sub>3</sub>OS  
**Molecular Weight** : 359.447  
**Target** : Proton-sensing GPCRs  
**Solubility** : 10 mM in DMSO



## Biological Activity

Ogresmorphin-1 (OGM1) is a highly specific, first-in-class small-molecule inhibitor of **GPR68** with IC<sub>50</sub> of 0.16 μM. Ogresmorphin-1 (OGM1) displays high selectivity against 158 GPCRs in a single point assay using Chem-1 cells. Ogresmorphin-1 (OGM1) could induce abnormal pigmentation during embryonic development, reproducibly induced ventral curvature, wavy notochord, shortened body axis, craniofacial defects, and loss of retinal iridophores. Ogresmorphin-1 (OGM1) disrupts development of neural crest-derived tissues subsequent to the formation of neural crest progenitors, most likely during neural crest migration.

## References

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

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