

GRK2i

## Chemical Properties

CAS No.:	148505-03-7
Formula:	C <sub>153</sub> H <sub>256</sub> N <sub>50</sub> O <sub>41</sub> S
Molecular Weight:	3484.08
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

## Biological Description

## Solubility Information

Solubility	water: 2 mg/mL ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.287 mL	1.435 mL	2.87 mL
5 mM	0.057 mL	0.287 mL	0.574 mL
10 mM	0.029 mL	0.144 mL	0.287 mL
50 mM	0.006 mL	0.029 mL	0.057 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

### Reference

1. Koch et al (1994) Cellular expression of the carboxyl terminus of a G protein-coupled receptor kinase attenuates G $\alpha_{i2}$ -mediated signaling. J.Biol.Chem. 269 6193 PMID:
2. Macrez et al (1997) A  $\alpha_{i2}$  dimer derived from G13 transduces the angiotensin AT1 receptor signal to stimulation of Ca<sup>2+</sup> channels in rat portal vein myocytes. J.Biol.Chem. 272 23180 PMID:
3. Dang et al (2009) Two distinct mechanisms mediate acute  $\mu$ -opioid receptor desensitization in native neurons. J.Neurosci. 29 3322 PMID:

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