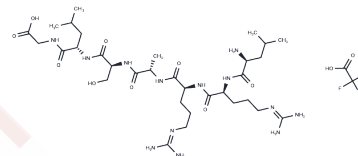


Kemptide TFA

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 160414-77-7 |
| Formula: | C ₃₄ H ₆₂ F ₃ N ₁₃ O ₁₁ |
| Molecular Weight: | 885.93 |
| Storage: | Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small> |



Biological Description

| | |
|---------------|---|
| Description | Kemptide TFA is a synthetic heptapeptide, acting as a substrate for cAMP-dependent protein kinase (PK). |
| Targets(IC50) | Others |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: 10 mM, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.1288 mL | 5.6438 mL | 11.2876 mL |
| 5 mM | 0.2258 mL | 1.1288 mL | 2.2575 mL |
| 10 mM | 0.1129 mL | 0.5644 mL | 1.1288 mL |
| 50 mM | 0.0226 mL | 0.1129 mL | 0.2258 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Kübler D, et al. Evidence for ecto-protein kinase activity that phosphorylates Kemptide in a cyclic AMP-dependent mode. *J Biol Chem.* 1989 Aug 25;264(24):14549-55.
- Duncan FE, et al. Transducin-like enhancer of split-6 (TLE6) is a substrate of protein kinase A activity during mouse oocyte maturation. *Biol Reprod.* 2014 Mar 20;90(3):63.

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