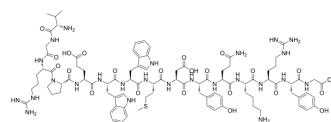


BAM(8-22)

Cat. No.: HY-P1241
CAS No.: 412961-36-5
Molecular Formula: C₉₁H₁₂₇N₂₅O₂₃S
Molecular Weight: 1971.2
Sequence: Val-Gly-Arg-Pro-Glu-Trp-Trp-Met-Asp-Tyr-Gln-Lys-Arg-Tyr-Gly
Sequence Shortening: VGRPEWWM DYQKRYG
Target: Mas-related G-protein-coupled Receptor (MRGPR)
Pathway: GPCR/G Protein
Storage: Sealed storage, away from moisture
 Powder -80°C 2 years
 -20°C 1 year



* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

SOLVENT & SOLUBILITY

| | | | | | |
|---|--|--------------------------|--------------|-----------|-----------|
| In Vitro | H ₂ O : 100 mg/mL (50.73 mM; Need ultrasonic) | | | | |
| | | Solvent Concentration | Mass 1 mg | 5 mg | 10 mg |
| | Preparing Stock Solutions | 1 mM | 0.5073 mL | 2.5365 mL | 5.0731 mL |
| | | 5 mM | 0.1015 mL | 0.5073 mL | 1.0146 mL |
| 10 mM | | 0.0507 mL | 0.2537 mL | 0.5073 mL | |
| Please refer to the solubility information to select the appropriate solvent. | | | | | |
| In Vivo | 1. Add each solvent one by one: PBS Solubility: 100 mg/mL (50.73 mM); Clear solution; Need ultrasonic | | | | |

BIOLOGICAL ACTIVITY

| | |
|-------------|---|
| Description | BAM(8-22), a proteolytically cleaved product of proenkephalin A, is a potent activator of Mas-related G-protein-coupled receptors (Mrgprs), MrgprC11 and hMrgprX1, and induces scratching in mice in an Mrgpr-dependent manner ^[1] . |
|-------------|---|

REFERENCES

[1]. Parul Sikand, et al. BAM8-22 peptide produces itch and nociceptive sensations in humans independent of histamine release. J Neurosci. 2011 May 18;31(20):7563-7.

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

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