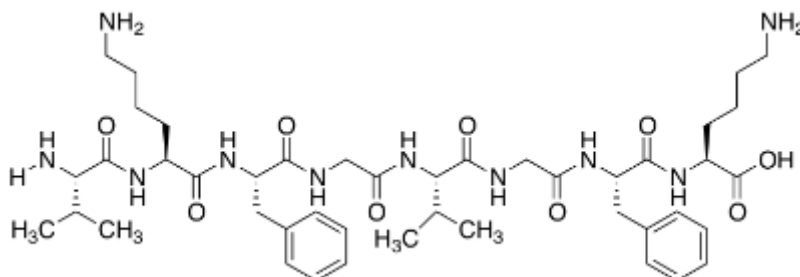


Calcium-like peptide 3

Cat # NB-48-0220



Product Information

| | |
|---------------------------------|--|
| Batch No.: | 0064BP/01 |
| Chemical Name: | CALP |
| Batch Molecular Formula: | C ₄₄ H ₆₆ N ₁₀ O ₉ |
| Batch Molecular Weight: | 881.07 |
| CAS No.: | [261969-05-5] |
| Physical Appearance: | White lyophilised solid |
| Storage: | Desiccate at -20° C |

Solvent and solubility

Soluble to 1 mg/ml in water

Biological activity

Cell-permeable calmodulin (CaM) agonist. Binds to the EF-hand/Ca²⁺-binding site, activates phosphodiesterase in the absence of Ca²⁺ and inhibits Ca²⁺-mediated cytotoxicity and apoptosis (IC₅₀ = 33 μM).

References

1. Villain et al. (2000) J Biol Chem 274:2676
2. Manion et al. (2000) FASEB J 14:1297
3. Ten Broeke et al. (2003) Eur J Pharmacol 476:151
4. Ten Broeke et al. (2004) Clin Exp Allergy 34:170

- CAUTION - Not fully tested. For Research use only. Not for human use. –

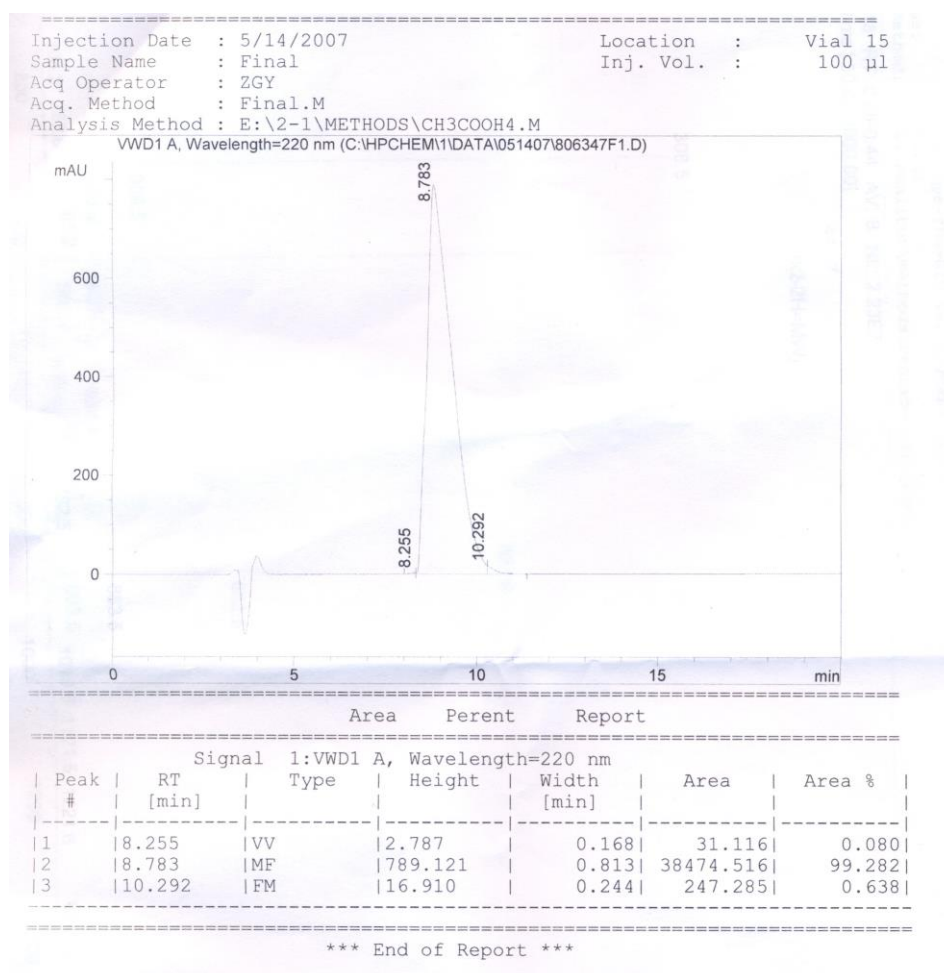
NB-48-0220 Calcium-like peptide 3

Analytical data

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: Counter Ion: Trifluoroacetate
Peptide Content: 74%
HPLC Assay: 99.2% (complies).



- CAUTION - Not fully tested. For Research use only. Not for human use. -