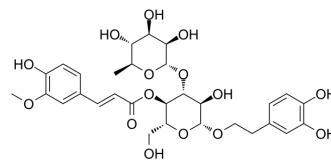


Leucosceptoside A

| | |
|---------------------------|---|
| Cat. No.: | HY-N8018 |
| CAS No.: | 83529-62-8 |
| Molecular Formula: | C ₃₀ H ₃₈ O ₁₅ |
| Molecular Weight: | 638.61 |
| Target: | PKC; Glucosidase; Angiotensin-converting Enzyme (ACE) |
| Pathway: | Epigenetics; TGF-beta/Smad; Metabolic Enzyme/Protease |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | |
|-------------------------------------|---|
| Description | Leucosceptoside A is a phenylethanoid glycoside with anti-hyperglycemic and anti-hypertensive activities. Leucosceptoside A shows inhibitory activity against α -glucosidase and PKC α (IC ₅₀ of 19.0 μ M) ^{[1][2][3]} . |
| IC₅₀ & Target | PKC α 19 μ M (IC ₅₀) |
| In Vitro | Leucosceptoside A shows weak angiotensin converting enzyme (ACE) inhibitory effect ^[1] . Leucosceptoside A (4-16 μ M) significantly reduces 1-methyl-4-phenylpyridinium ion (MPP+)-induced death of mesencephalic neurons ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

REFERENCES

- [1]. Chika Ifeanyi Chukwuma, et al. Medicinal plants with concomitant anti-diabetic and anti-hypertensive effects as potential sources of dual acting therapies against diabetes and hypertension: A review. *J Ethnopharmacol.* 2019 May 10;235:329-360.
- [2]. Yan-Yun Li, et al. Pedicularioside A from *Buddleia lindleyana* inhibits cell death induced by 1-methyl-4-phenylpyridinium ions (MPP+) in primary cultures of rat mesencephalic neurons. *Eur J Pharmacol.* 2008 Jan 28;579(1-3):134-40.
- [3]. B N Zhou, et al. Phenylethanoid glycosides from *Digitalis purpurea* and *Penstemon linarioides* with PKC α -inhibitory activity. *J Nat Prod.* 1998 Nov;61(11):1410-2.

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

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