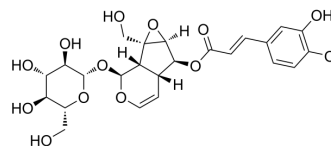


## Minecoside

Cat. No.:	HY-N3255
CAS No.:	51005-44-8
Molecular Formula:	C <sub>25</sub> H <sub>30</sub> O <sub>13</sub>
Molecular Weight:	538.5
Target:	CXCR; STAT
Pathway:	GPCR/G Protein; Immunology/Inflammation; JAK/STAT Signaling; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Minecoside is a CXCR4/STAT3 inhibitor with anticancer and anti-inflammatory activity. Minecoside decreases CXCR4 expression and suppresses STAT3 activation, thus to inhibit CXCL 12-induced invasion. Minecoside potently inhibits cancer metastasis and promotes apoptotic progression <sup>[1][2]</sup> .
IC <sub>50</sub> & Target	CXCR4; STAT3

### REFERENCES

- [1]. Kim B, et al. Minecoside Modulates Cell Invasion via Regulation of CXCR4 Expression in Breast and Colon Cancer Cells. *Planta Med.* 2020 Mar;86(5):331-337.
- [2]. Kim B, et al. Minecoside promotes apoptotic progression through STAT3 inactivation in breast cancer cells. *Oncol Lett.* 2022 Mar;23(3):94.

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

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