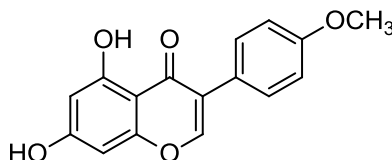


Biochanin A

Code No.: **BIA-B1724**

Pack sizes: **5 mg, 25 mg**



Synonyms : 4'-Methylgenistein; 5,7-Dihydroxy-4'-methoxyisoflavone; Biochanin; Genistein 4-methyl ether; NSC 123538; Olmelin.

Specifications

CAS #	: 491-80-5
Molecular Formula	: C₁₆H₁₂O₅
Molecular Weight	: 284.3
Source	: <i>Glycine</i> sp.
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Biochanin A is an isoflavone found widely in legume and other plant species. It is sporadically found in microbial fermentations containing soy or other related plant-based extracts. Like genestein, biochanin A has been widely reported as an antibacterial, insect anti-feedant and anticancer active. It also has an oestrogenic, bond protective and antioxidant activity. The occurrence and diverse pharmacological activity of biochanin A makes it an essential dereplication and bioassay standard in microbial natural product discovery.

References

1. Current trends in isolation, separation, determination and identification of isoflavones: a review. Vacek J. et al., J. Separat. Sci. 2008, 31, 2054.
2. Flavones and new isoflavone derivatives from microorganisms: Isolation and structure elucidation. Maskey R.P. et al., Zeit. Naturforsch. B: Chem. Sci. 2003, 58, 686.
3. Antimycobacterial activity in vitro of pigments isolated from Antarctic bacteria. Mojib N. et al., Anton. van Leeuwen. 2010, 98, 531.