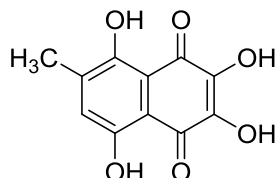


Methylspinazarin

Code No.: **BIA-M1880**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms : Methylspinazaline

Specifications

| | |
|-------------------|---|
| CAS # | : 41768-12-1 |
| Molecular Formula | : C ₁₁ H ₈ O ₆ |
| Molecular Weight | : 236.2 |
| Source | : <i>Streptomyces</i> sp. |
| Appearance | : Red-brown solid |
| Purity | : >95% by HPLC |
| Long Term Storage | : -20°C |
| Solubility | : Soluble in ethanol, methanol, DMF or DMSO. |

Application Notes

Methylspinazarin is a rare naphthoquinone pigment produced by a strain of *Streptomyces filipinensis*, isolated by Nagatsu and colleagues at Ochanomizu University, Japan in 1973. Methylspinazarin inhibits catechol-O-methyl transferase (COMT) and exhibits a strong hypotensive effect in spontaneously hypertensive rats. Methylspinazarin is inactive as an antibacterial.

References

1. Methylspinazarin and dihydromethylspinazarin, catechol-O-methyl transferase inhibitors produced by *Streptomyces*. Chimura H. et al., J. Antibiot. 1973, 26, 112.