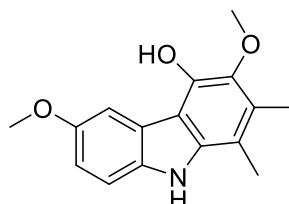


Carbazomycin C

Code No.: **BIA-C2546**

Pack sizes: **1 mg, 5 mg**



Synonyms : 3,6-Dimethoxy-1,2-dimethyl-9H-carbazol-4-ol

Specifications

CAS #	: 108073-62-7
Molecular Formula	: C ₁₆ H ₁₇ NO ₃
Molecular Weight	: 271.3
Source	: <i>Streptomyces</i> sp.
Appearance	: Off-white to tan solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

Application Notes

Carbazomycin C is a minor analogue of a family of carbazoles initially isolated from *Streptomyces ehimense* reported by researchers at Hiroshima University in 1987. Carbazomycin C and analogues D to F were identified in a scaled and optimised fermentation of the same strain that produced carbazomycins A and B in 1980. Carbazomycin C possesses weak antibacterial and antifungal activity and has been identified as an inhibitor of 5-lipoxygenase and a free radical scavenger.

References

1. Carbazomycins C, D, E and F, minor components of the carbazomycin complex. Naid T. et al. J Antibiot. 1987, 40, 157.
2. Identification of the inhibitory activity of carbazomycins B and C against 5-lipoxygenase, a new activity for these compounds. Hook D. et al. J Antibiot. 1990, 43, 1347.