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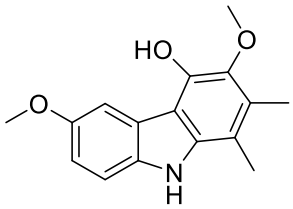
PRODUCT DATA SHEET

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	:	***Streptomyces* 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.

For in vitro laboratory use only. Not for human or animal use.

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