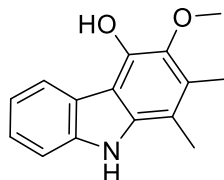


## Carbazomycin B

Code No.: **BIA-C2543**

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



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

### Specifications

CAS #	: <b>75139-38-7</b>
Molecular Formula	: <b>C<sub>15</sub>H<sub>15</sub>NO<sub>2</sub></b>
Molecular Weight	: <b>241.3</b>
Source	: <b><i>Streptomyces</i> sp.</b>
Appearance	: <b>Off-white to tan solid</b>
Purity	: <b>&gt;95% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in methanol or DMSO</b>

### Application Notes

Carbazomycin B is the dominant analogue of a family of rare carbazoles initially isolated from an unidentified *Streptomyces* sp. by researchers at Hiroshima University in 1980. Carbazomycin B is a 5-lipoxygenase inhibitor and free radical scavenger. Carbazomycin B is active against range of Gram positive bacteria and is weakly active against fungi and yeast. Like all carbazomycins, carbazomycin B possesses a highly distinct UV spectrum and can be readily identified and dereplicated by HPLC DAD. The mode of action of carbazomycins has received little attention.

### References

1. New antibiotics, carbazomycins A and B. I. Fermentation, extraction, purification and physico-chemical and biological properties. Sakano K. et al. J Antibiot. 1980, 33, 683.
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.
3. In vitro and ex vivo free radical scavenging activities of carazostatin, carbazomycin B and their derivatives. Kato S. et al. J Antibiot. 1993, 1993, 46, 1859.