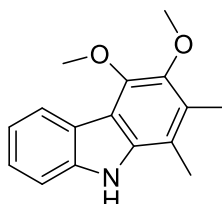


## Carbazomycin A

Code No.: **BIA-C2545**

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



Synonyms : 3,4-Dimethoxy-1,2-dimethyl-9H-carbazole

### Specifications

CAS #	: <b>75139-39-8</b>
Molecular Formula	: <b>C<sub>16</sub>H<sub>17</sub>NO<sub>2</sub></b>
Molecular Weight	: <b>255.3</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 A is a minor metabolite of a family of rare carbazoles initially isolated from an unidentified *Streptomyces* sp. (subsequently identified as *Streptomyces ehimensis*) by researchers at Hiroshima University in 1980. Carbazomycin A is active against *Staphylococcus aureus* but possesses only weakly active against fungi and yeast. Like all carbazomycins, carbazomycin A possesses a highly distinct UV spectrum and can be readily identified and de-replicated 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.