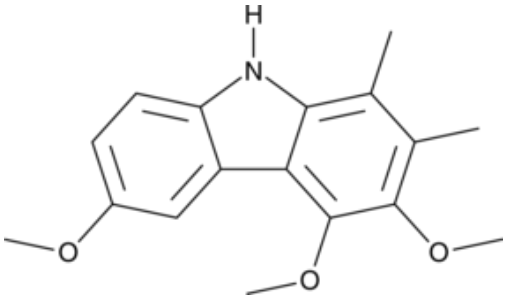
Product Data Sheet

Product Name: Carbazomycin D
Cat. No.: GC48826

Chemical Properties

Cas. No.	108073-63-8		
SMILES	COC1=C(C)C(C)=C2NC3=CC=C(OC)C=C3C2=C1OC		
Formula	C17H19NO3	M.Wt	285.3
Solubility		Storage	-20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

Carbazomycin D is a bacterial metabolite that has been found in *Streptomyces* and has diverse biological activities.[1,2] It is active against the fungi *T. asteroides* and *T. mentagrophytes* (MIC = 100 µg/ml for both) and the bacterium *M. tuberculosis* (IC_{50} = 25 µg/ml). Carbazomycin D is cytotoxic to MCF-7, KB, NCI H187, and Vero cells (IC_{50}s = 21.3, 33.2, 12.9, and 34.3 µg/ml, respectively).[2]

1.Naid, T., Kitahara, T., Kaneda, M., et al.Carbazomycins C, D, E and F, minor components of the carbazomycin complexJ. Antibiot. (Tokyo)40(2)157-164(1987) 2.Intaraudom, C., Rachtawee, P., Suvannakad, R., et al.Antimalarial and antituberculosis substances from Streptomyces sp. BCC26924Tetrahedron67(39)7593-7597(2011)

Caution: Product has not been fully validated for medical applications. For research use only.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA