PRODUCT INFORMATION

Cayman CHEMICAL

Kumbicin C
Item No. 25015

CAS Registry No.:	1878151-58-6
Formal Name:	5,8-di-1H-indol-3-yl-7-methoxy-2,2-dimethyl-2H-1-benzopyran-6-ol
MF:	$C_{28}H_{24}N_2O_3$
FW:	436.5
Purity:	≥95%
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years
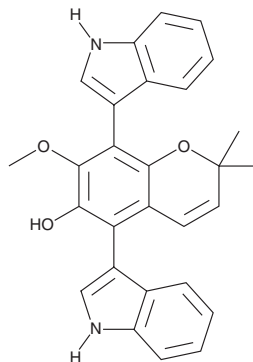
Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Kumbicin C is supplied as a solid. A stock solution may be made by dissolving the kumbicin C in the solvent of choice, which should be purged with an inert gas. Kumbicin C is soluble in organic solvents such as ethanol, methanol, DMSO, and dimethyl formamide.

Description

Kumbicin C is a *bis*-indolyl benzenoid fungal metabolite produced by *A. kumbius* FRR6049.[1] It inhibits the growth of NS-1 mouse myeloma cells (IC_{50} = 0.74 µg/ml). Kumbicin C also inhibits the growth of the Gram-positive bacteria *B. subtilis* (MIC = 1.6 µg/ml).

Reference

1. Lacey, H.J., Vuong, D., Pitt, J.I., *et al.* Kumbicins A–D: Bis-Indolyl benzenoids and benzoquinones from an Australian soil fungus, *Aspergillus kumbius. Aust. J. Chem.* **69(2)**, 152-160 (2015).