

Product Datasheet

Kigamicin C (orb1692537)

Catalog Number	orb1692537
Category	Small Molecules
Description	Kigamicins are antitumor antibiotics with selective cytotoxicity against nutrient-starved pancreatic cancer cells, such as PANC-1, and exhibit antimicrobial activity against Gram-positive bacteria. Kigamicin D demonstrates in vivo efficacy by suppressing pancreatic tumor growth in mouse models, potentially through inhibition of Akt activation under nutrient stress. These compounds also induce necrosis in human myeloma cells while sparing normal lymphocytes.
Target	Antibacterial, Antibiotic, Others
MW	809.818
CAS Number	680571-51-1
Formula	C ₄₁ H ₄₇ NO ₁₆
SMILES	[H][C@]12Cc3cc4C[C@@]5(C)OCCN5C(=O)c4c(O)c3-c3c(O)c4c(oc5[C@@H](O)[C@@H](C[C@H](O)c5c4=O)O[C@H]4CC[C@H](O[C@H]5C[C@@H](OC)[C@H](O)[C@@H](C)O5)[C@@H](C)O4)c(OCO1)c23
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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