

Product Name	: Carubicin
Synonyms	: Carminomycin; Carminomycin I; Carminomicin I
Cat No.	: M14357
CAS Number	: 39472-31-6
Molecular Formula	: C ₂₆ H ₂₇ NO ₁₀
Formula Weight	: 513.50
Chemical Name	: (7S,9S)-9-acetyl-7-[(2R,4S,5S,6S)-4-amino-5-hydroxy-6-methyloxan-2-yl]oxy-4,6,9,11-tetrahydroxy-8,10-dihydro-7H-tetracene-5,12-dione
Description	Carubicin (Carminomycin) is an apoptosis inducer that targets the Golgi complex, induces apoptosis in CCRCC cells by a mechanism independent of p53 or HIF2, and induces cleavage of the Golgi protein p115 and the translocation of its C-terminal fragment to the nucleus.
Pathway	: Apoptosis
Target	: Apoptosis
Receptor	: Apoptosis
Solubility	: —
SMILES	: <chem>O=C1C2=C(O)C([C@@H](O[C@@H]3O[C@@H](C)[C@@H](O)[C@@H](N)C3)C[C@](O)(C(C)=O)C4=C4C(O)=C2C(C5=C1C(O)=CC=C5)=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Woldemichael GM, et al. Cancer Res. 2011 Jan 1;71(1):134-42. 2. Tevyashova AN, et al. J Antibiot (Tokyo). 2004 Feb;57(2):143-50.

