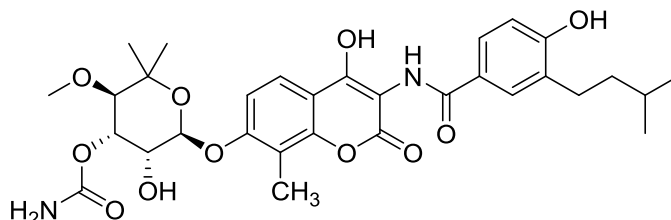


Dihydrnovobiocin

Code No.: **BIA-D1887**

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



Synonyms :

Specifications

CAS #	: 29826-16-2
Molecular Formula	: C₃₁H₃₈N₂O₁₁
Molecular Weight	: 614.6
Source	: Semi-synthetic
Appearance	: Off-white solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Dihydrnovobiocin is a semi-synthetic member of the novobiocin aminocoumarin antibiotic family prepared by reduction of the prenyl double bond and published in 1956. Dihydrnovobiocin is an inhibitor of the bacterial type II topoisomerase, DNA gyrase. Dihydrnovobiocin is equipotent to novobiocin against *S. aureus* in vivo, including resistant strains, and is active against *Mycobacterium tuberculosis*. Dihydrnovobiocin entered clinical development in the 1960s but did not progress to market.

References

1. Novobiocin and some derivatives. Rolland G. et al., *Farmaco*, Edizione Scientifica 1956, 11, 549.
2. Microbiological activity of novobiocin. Solotorovsky M. et al., *Antibiot. Chemother.* 1958, 8, 86.
3. The in vitro and in vivo antituberculous activity of dihydrnovobiocin. Tacquet A. et al., *J. Ann. de l'Institut Pasteur de Lille* 1959, 10, 61.