BioViotica
Rare Active Natural Products

PRODUCT DATA SHEET

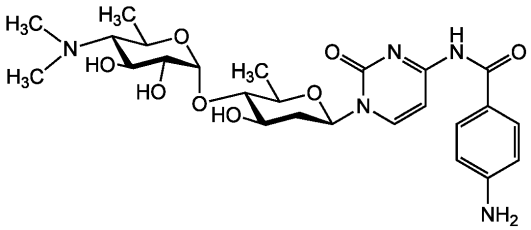
www.bioviotica.com

BVT-0031

16-Jan-2015

Oxyplicacetin

[3′-Hydroxyplicacetin; Cytosaminomycin E]



BVT-0031-M001	1 mg
Formula	$C_{25}H_{35}N_5O_8$
MW	533.6
CAS	100108-92-7

Handling / Storage

Shipping	AMBIENT
Short Term Storage	+4°C
Long Term Storage	+4°C

Protect from light when in solution.

Use / Stability

Stable for at least 1 year after receipt when stored at +4°C.

MSDS available at www.adipogen.com or upon request.

Product Specifications

Source/Host	Isolated from *Streptomyces* sp.
Purity	≥98% (NMR)
Identity	Determined by ^{1}H-NMR.
Appearance	White solid.
Solubility	Soluble in DMSO or water.

Product Description

- Nucleoside antibiotic (amicetin group).
- Anticoccidial agent.
- Shows broad antibacterial activity.

Product Specific References

1. Studies on metabolites produced by Streptomyces ramulosus Tue-34. II. The structural elucidation of oxyplicacetin, a new amicetin: Y. Chen, et al.; Kangshengsu **10**, 285 (1985) (Chinese)

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2. Cytosaminomycins, new anticoccidial agents produced by Streptomyces sp. KO-8119. I. Taxonomy, production, isolation and physico-chemical and biological properties: K. Haneda, et al.; J. Antibiot. **47**, 774 (1994)

3. Cytosaminomycins, new anticoccidial agents produced by Streptomyces sp. KO-8119. II. Structure elucidation of cytosaminomycins A, B, C and D: K. Shiomi, et al.; J. Antibiot. **47**, 782 (1994)

4. Characterization of the amicetin biosynthesis gene cluster from Streptomyces vinaceusdrappus NRRL 2363 implicates two alternative strategies for amide bond formation: G. Zhang, et al.; Appl. Environ. Microbiol. **78**, 2393 (2012)

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