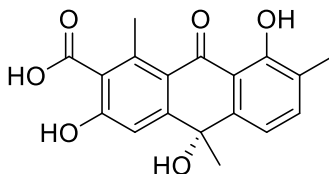


hemi-Oxanthromicin

Code No.: **BIA-O1986**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms :

Specifications

CAS #	: 91161-78-3
Molecular Formula	: C₁₈H₁₆O₆
Molecular Weight	: 328.3
Source	: <i>Streptomyces</i> sp.
Appearance	: Yellow orange solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

Application Notes

hemi-Oxanthromicin is the monomer of (±)-oxanthromicin, first isolated from a soil-derived *Streptomyces* sp. by Capon and co-workers in 2014. Unlike its co-metabolites, oxanthromicin and *spiro*-oxanthromicin, *hemi*-oxanthromicin does not inhibit mislocalisation of the oncogenic mutant K-Ras from the plasma membrane of intact Madin-Darby canine kidney (MDCK) cells. *hemi*-Oxanthromicin was largely inactive in assays for antibacterial, antiviral, antimycobacterial and phytopathogenic activity (MIC >50 µg/mL). *hemi*-Oxanthromicin shows minimal cytotoxicity.

References

1. Rare *Streptomyces* sp. polyketides as modulators of K-Ras localisation. Salim A. et al. *Org Biomol Chem.* 2014, 12, 4872.
2. Anthrone derivatives from the terrestrial actinomycete, *Actinomadura* sp. BCC47066. Bunbamrungra N. et al. *Phytochem Lett.* 2018, 25, 109.