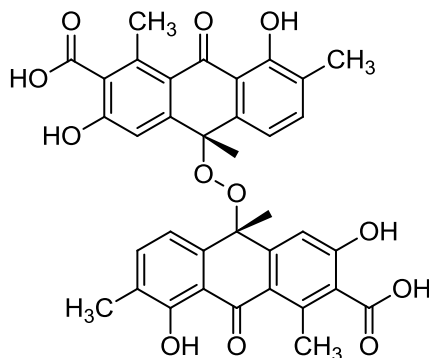


(+)-Oxanthromicin

Code No.: **BIA-O1627**

Pack sizes: **0.25 mg, 1 mg**



Synonyms :

Specifications

CAS #	: 1616622-08-2
Molecular Formula	: C ₃₆ H ₃₀ O ₁₂
Molecular Weight	: 654.6
Source	: <i>Streptomyces</i> sp.
Appearance	: Yellow-tan solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

(+)-Oxanthromicin is an unusual dimeric anthrone epoxide co-produced with staurosporine by *Streptomyces* sp. MST-134270, reported by Capon and co-workers in 2014 as an inducer of the mislocalisation K-Ras on the cell membrane. (+)-Oxanthromicin was also found to act synergistically with staurosporine, a more potent active in this assay. (+)-Oxanthromicin is an enantiomer of (-)-oxanthromicin isolated from an *Actinomadura* sp. SCC 1646 by researchers at Schering as an antifungal and antibacterial in 1984.

References

1. Oxanthromicin, a novel antibiotic from *Actinomadura*. Patel M. et al., J. Antibiot. 1984, 37, 413.
2. Structure of oxanthromicin (antibiotic 16-550), a novel dimeric anthrone peroxide. Wright J.J.K. et al., J. Chem. Soc. Chem. Commun. 1984, 473.
3. Rare *Streptomyces* sp. polyketides as modulators of K-Ras localisation. Salim A.A. et al., Org. Biomol. Chem. 2014, 12, 4872.