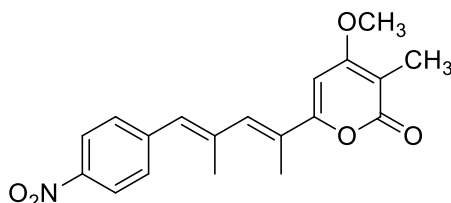


Luteoreticulin

Code No.: **BIA-L1129**

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



Synonyms : Griseulin

Specifications

CAS #	: 22388-89-2
Molecular Formula	: C ₁₉ H ₁₉ NO ₅
Molecular Weight	: 341.4
Source	: <i>Streptomyces</i> sp.
Appearance	: Pale yellow solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in DMF or DMSO. Moderately soluble in methanol or ethanol. Poor water solubility.

Application Notes

Luteoreticulin is a rare nitrophenyl pyranone closely related to aureothin, neo-aureothin and its unusual photoisomers SNF4435C and SNF4435D. Metabolites within this class are potent antitumor agents with pronounced immunosuppressive activity, and more recently have been shown to reverse multi-drug resistance. The lack of availability of luteoreticulin has hitherto restricted a more intensive investigation of this interesting metabolite.

References

1. The structure of luteoreticulin, a nitro-containing metabolite of *Streptomyces luteoreticuli*. Koyama Y. et al., *Tetrahedron Lett.* 1969, 5, 355.
2. High-performance liquid chromatography comparison of supercritical-fluid extraction and solvent extraction of microbial fermentation products. Cocks S. et al., *J Chromatogr A.* 1995, 697, 115.
3. Reversal of multidrug resistance by novel nitrophenyl pyrones, SNF4435C and D. Kurosawa K. *Jpn. J. Cancer Res.* 2001, 92, 1235.