



>>Entry Name: Aureofuscin

CAS Registry Number: 58194-38-0

Molecular Formula: C₂₅H₃₇NO₁₀

Molecular Weight: 511.568

Accurate Mass: 511.241749

Percentage Composition: C 58.70%; H 7.29%; N 2.74%; O 31.28%

General Statement: Struct. unknown. Polyene-type antibiotic

Biological Source: Isol. from *Streptomyces aureofuscus*

Use/Importance: Antifungal antibiotic

Melting Point: Mp 170 dec.°

Optical Rotation: $[\alpha]_D^{14} +247$ (c, 0.4 in MeOH)

Other Data: Hydrol. affords *inter alia* Mycosamine

References:

Shanghai Institute of Materia Medica, *CA*, 1976, **84**, 87873f, (*isol*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, ART000