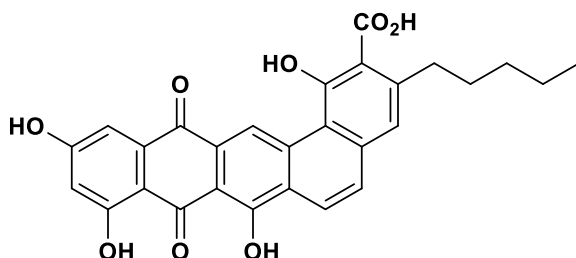


PRODUCT DATA SHEET

Date: Dec. 27, 2021

Bequinostatin C (Glutathione S-transferase inhibitor)



Specifications

Code No.	: 14654
CAS#	: 152175-74-1
Molecular Formula	: C ₂₈ H ₂₂ O ₈
Molecular Weight	: 486.476
Source	: <i>Streptomyces</i> sp. MI384-DF12
Supplied as	: Powder
Purity	: > 90% (HPLC)
Long Term Storage	: at - 20 °C
Solubility	: Slightly soluble in MeOH and DMSO (0.2 mg/ml) Insoluble in H ₂ O

Application Notes

Bequinostatin C is isolated from the culture broth of *Streptomyces* sp. MI384-DF12, and it has inhibitory activity against human pi class glutathione S-transferase (GSTπ) expressed in carcinogenesis (IC₅₀ value is 40 μg/mL).¹⁾ It exhibits no toxicity after intraperitoneal injection in mice at a dose of 100 mg/kg.¹⁾

References

- 1) Bequinostatins C and D, new inhibitors of glutathione S-transferase, produced by *Streptomyces* sp. MI384-DF12. Yamazaki T, *et al. J Antibiot.* 1993 **46**(8) 1309-1311.