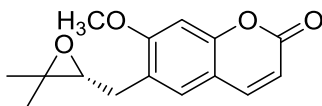


(+)-Epoxytoberosin

Code No.: **BIA-E1777**

Pack sizes: **1 mg, 5 mg**



Synonyms : (R)-(+)-Epoxytoberosin, Epoxytoberosin

Specifications

CAS #	: 80368-68-9
Molecular Formula	: C ₁₅ H ₁₆ O ₄
Molecular Weight	: 260.3
Source	: <i>Correa reflexa</i>
Appearance	: Cream-yellow crystals
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

(+)-Epoxytoberosin is a coumarin isolated from *Hesperethusa crenulata* by Nayar and Bhan from Regional Research Laboratory, India, in 1972. More recently, Smith and Bissember at the University of Tasmania, Australia, isolated epoxytoberosin from the native fuchsia, *Correa reflexa*, using pressurized hot water extraction. Epoxytoberosin is active against leishmania, but its biological activity is largely unexplored.

References

1. Coumarins and other constituents of *Hesperethusa crenulata*. Nayar M.N.S. & Bhan M.K., *Phytochemistry* 1972, 11, 3331.
2. New coumarins from *Harbouria trachyleura*: isolation and synthesis. Guz N.R. et al., *Tet. Lett.* 2001, 42, 6491.
3. Pressurized hot water extraction as a viable bioprospecting tool: isolation of coumarin natural products from previously unexamined *Correa* (Rutaceae) species. Deans B.J. et al., *Chemistry Select* 2017, 2, 2433.
4. Antileishmanial activity of prenylated coumarins isolated from *Ferulago angulata* and *Prangos asperula*. Sajjadi S.E. et al., *Res. Pharm. Sci.* 2016, 11, 324.