

**Product Name** : 7-Ethoxyrosmanol  
**Catalog Number** : TN1329  
**CAS Number** : 111200-01-2  
**Molecular Formula** : C22H30O5  
**Molecular Weight** : 374.50

**Description:** 7-Ethoxyrosmanol has cytotoxic and antimicrobial activities.

**Storage:** 2 years -80°C in solvent; 3 years -20°C powder;

<b>Receptor (IC50)</b>	Antifection
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### In vitro Activity

The cytotoxic activity of compounds 1 and 2 was evaluated against a panel of three cancer cell lines (MCF7, HeLa and HT29) using curcumin as positive control. Carnosol (2) showed cytotoxic activity against all three cell lines having a similar response as the positive control with an IC50 approximately of 15-20 µg/mL in each case. On the other hand, 7-Ethoxyrosmanol (1) showed lower activity than carnosol, with an IC50 approx. of 20-30 µg/mL for the three cancer cell lines. This is the first report on cytotoxic activity against MCF7, HeLa and HT29 cancer cell lines and the antimicrobial activity of compound 1, and the first report on cytotoxic activity against HeLa of compound 2. In addition, the main volatile components of the essential oil of *H. dilatata* which displayed quorum sensing inhibitory activity were identified by GC/MS analysis.

### Reference

1. Cytotoxic and Antimicrobial Diterpenes Isolated from *Hyptis Dilatata*. *Current Bioactive Compounds*, 2015, 11(3):-.

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