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## Product Data Sheet

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Product Name: Loganetin

Cat. No.: GC32290

### Chemical Properties

Cas. No. 29748-10-5

SMILES COC(C1=CO[C@@H](O)[C@@]2([H])[C@]1([H])C[C@H](O)[C@@H]2C)=O

Formula C<sub>11</sub>H<sub>16</sub>O<sub>5</sub>

M.Wt 228.24

Solubility DMSO: 250 mg/mL (1095.34 mM)

Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

### Background

Loganetin is a non-toxic natural product that may be applied in the antibacterial drug development for treating multidrug-resistant Gram negative infections.

Although Loganetin does not possess antibacterial activity of its own, but in combination, it appreciably reduces the minimum inhibitory concentration (MIC) of nalidixic acid (NA) against nalidixic acid resistant (NAREC) and nalidixic acid sensitive (NASEC) strains of Escherichia coli. Loganetin, a very common, inexpensive, and non-toxic natural product may finds its application in the antibacterial drug development for treating multidrug-resistant Gram negative infections[1].

[1]. Anupam Maurya, et al. Preparative Isolation of Bioenhancer Loganetin from sf Alstonia scholaris by Fast Centrifugal Partition Chromatography. Separation Science and Technology Volume 49, 2014-Issue 5.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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