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**Product Data Sheet**

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Product Name: 10-Isobutyryloxy-8,9-epoxythymol isobutyrate

Cat. No.: GC35043

**Chemical Properties**

Cas. No. 22518-06-5

SMILES CC(C)C(OCC1(C2=C(C=C(C)C=C2)OC(C(C)C)=O)CO1)=OFormula C<sub>18</sub>H<sub>24</sub>O<sub>5</sub> M.Wt 320.38

Solubility Soluble in DMSO 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**

10-Isobutyryloxy-8,9-epoxythymol isobutyrate is a major constituent of Inula helenium and Inula royleana root cultures. 10-Isobutyryloxy-8,9-epoxythymol isobutyrate shows moderate antimicrobial activity against Staphylococcus aureus FDA 209 P, Staphylococcus aureus, Enterococcus faecalis, Candida albicans and Pseudomonas aeruginosa with MICs of 50, 250, 250, 250, and 1000 µg/mL, respectively[1].

[1]. Stojakowska A, et al. Antimicrobial activity of 10-isobutyryloxy-8,9-epoxythymol isobutyrate. Fitoterapia. 2005 Dec;76(7-8):687-90.

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

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