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**Product Data Sheet**

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Product Name: Salicylcurcumin

Cat. No.: GC40653

**Chemical Properties**

Cas. No. 1236545-54-2

SMILES OC1=C(/C=C/C(/C=C(O)/C=C/C2=CC=CC=C2O)=O)C=CC=C1Formula C<sub>19</sub>H<sub>16</sub>O<sub>4</sub>

M.Wt 308.3

Solubility DMF: 30 mg/ml, DMSO: 20 mg/ml, Ethanol: 20 mg/ml 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**

Curcuminoids are natural and synthetic analogs of curcumin, a natural polyphenol with modulating effects in inflammation, cancer, and immunity. Salicylcurcumin is a synthetic curcuminoid which, like bisdemethoxycurcumin, lacks methoxy groups on both phenols. Furthermore, the hydroxyl groups on each phenol are positioned ortho, as in salicylates, rather than in the para position typical of curcuminoids. Salicylcurcumin has antioxidant and anticarcinogenic properties. Also, it increases the activity of quinone reductase in mouse hepatoma cells in a dose-dependent fashion, doubling activity at 0.3 μM salicylcurcumin.

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

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