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**Product Data Sheet**

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Product Name: Obscurolide A1

Cat. No.: GC18951

**Chemical Properties**

Cas. No. 144397-99-9

Chemical Name 4-[[tetrahydro-2-(3-hydroxy-1-butenyl)-5-oxo-3-furanyl]amino]-benzoic acid

SMILES O=C(O)C1=CC=C(NC2C(/C=C/C(C)O)OC(C2)=O)C=C1Formula C<sub>15</sub>H<sub>17</sub>NO<sub>5</sub> M.Wt 291.3

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**

Obscurolide A1 is a natural butyrolactone isolated from *S. viridochromogenes*. It inhibits calcium/calmodulin-dependent phosphodiesterase from bovine brain, presumably PDE1 (IC<sub>50</sub> = 15 mM).

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

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