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**Product Data Sheet**

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Product Name: 8-Keto-berberine

Cat. No.: GC35205

**Chemical Properties**

Cas. No. 81397-08-2

SMILES O=C1N2CCC3=C(C=C4OCOC4=C3)C2=CC5=C(OC)C(OC)=CC=C15Formula  $C_{20}H_{17}NO_5$  M.Wt 351.35

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**

8-Keto-berberine (compound 29) is a non-naturally occurring 11, 12-oxygenated protoberberine derived from naturally occurring 9, 10-oxygenated protoberberine[1].

[1]. Miyoji Hanaoka, et al. Chemical transformation of protoberberines. VI. Ring D inversion of protoberberine alkaloids. Conversion of berberine into nonnaturally occurring 11,12-oxygenated protoberberines via spirobenzylisoquinolines. Chem.Pharm.Bull.1984;32(11):4431-4436.

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

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