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**Product Data Sheet**

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Product Name: Crocetine dimethyl ester

Cat. No.: GC38547

**Chemical Properties**

Cas. No. 5892-54-6

SMILES COC(/C(C)=C/C=C/C(C)=C/C=C/C=C(C)/C=C/C=C(C)/C(OC)=O)=OFormula  $C_{22}H_{28}O_4$  M.Wt 356.46

Solubility Soluble in DMSO Storage Store at -20°C, protect from light

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**

Crocetine dimethyl ester (Dimethylcrocetin) is found in the stigmas of saffron (*Crocus sativus* L.), and has antioxidant activity[1].

[1]. Kanakis CD, et al, Crocetin, dimethylcrocetin, and safranal bind human serum albumin: stability and antioxidative properties. *J Agric Food Chem.* 2007 Feb 7;55(3):970-7.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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