

Product Data Sheet

Product Name: DCBA
Cat. No.: GC60124

Chemical Properties

Cas. No. 72236-23-8

SMILES O=C(O)C1=CC=CC(C(N(CC)CC)=O)=C1

Formula $C_{12}H_{15}NO_3$ M.Wt 221.25

Solubility DMSO : 100 mg/mL (451.98 mM; Storage
Need ultrasonic)

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.

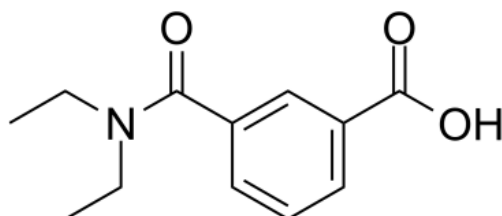
Caution: Product has not been fully validated for medical applications. For research use only.

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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Structure



Background

DCBA is a metabolite of insect repellent N-N-diethyl-meta-toluamide (DEET). The concentration of DCBA in urine can assess exposure to DEET[1][2].

[1]. Lewis RC, et, al. Urinary biomarkers of exposure to insecticides, herbicides, and one insect repellent among pregnant women in Puerto Rico. Environ Health. 2014 Nov 19; 13:97. [2]. Peter K, et, al. On-line solid phase extraction-high performance liquid chromatography-isotope dilution-tandem mass spectrometry approach to quantify N,N-diethyl-m-toluamide and oxidative metabolites in urine. Anal Chim Acta. 2013 Jul 17; 787: 267-73.

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