
Product Data Sheet

Product Name: Isovaleramide

Cat. No.: GC14399

Chemical Properties

Cas. No. 541-46-8

Chemical Name 3-methylbutanamide

SMILES CC(C)CC(=O)NFormula $C_5H_{11}NO$ M.Wt 101.15Solubility $\geq 3.8\text{mg/mL}$ 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**

Isovaleramide is an active principle on central nervous system from *Valeriana pavonii*, as an anticonvulsant. Target \square in vitro: Isovaleramide ($300\ \mu\text{M}$) exhibits a 42% of inhibition of the binding of 3H-FNZ to its sites. in vivo: Isovaleramide at $100\ \text{mg/Kg}$, p.o, evidences a 90% index protection against the maximal electroshock seizure in mice (MES).

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