

Product Data Sheet

Product Name: m-Methoxybenzamide

Cat. No.: GC47693

Chemical Properties

Cas. No. 5813-86-5

SMILES COC1=CC=CC(C(N)=O)=C1

Formula C₈H₉NO₂

M.Wt 151.2

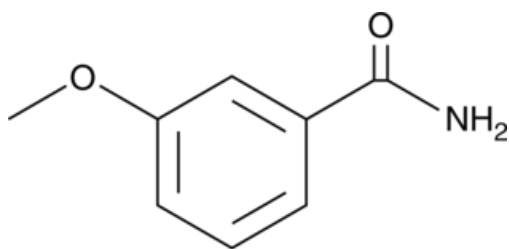
Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, DMSO:PBS (pH 7.2) (1:1): 0.50 mg/ml, Ethanol: 1 mg/ml

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

m-Methoxybenzamide is an inhibitor of poly(ADP-ribose) polymerase (PARP; $K_i = <2 \mu\text{M}$).¹ It also inhibits human placental ADP ribosyl transferase activity by 93% when used at a concentration of 100 μM .² *m*-Methoxybenzamide (100, 200, and 300 mg/kg) increases the pain threshold in the paw pinch test in rats.³

1. Purnell, M.R., and Whish, W.J. Novel inhibitors of poly(ADP-ribose) synthetase. *Biochem. J.* 185(3):775-777 (1980) 2. Burtscher, H.J., Auer, B., Klocker, H., et al. Isolation of ADP-ribosyltransferase by affinity chromatography. *Anal. Biochem.* 152(2):285-290 (1986) 3. Sanders, R., Dill, R.E., Dorris, R.L., et al. Analgesic effects of 3-methoxybenzamide in rats. *J. Pharm. Pharmacol.* 41(4):268-269 (1989)

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

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