
Product Data Sheet

Product Name: 4-Formylaminoantipyrine

Cat. No.: GC62803

Chemical Properties

Cas. No. 1672-58-8

Formula $C_{12}H_{13}N_3O_2$ M.Wt 231.25

Solubility Storage

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**

4-Formylaminoantipyrine is an excreted metabolite of aminophenazone. Aminophenazone is a pyrazolone with analgesic, anti-inflammatory, and antipyretic effects in vivo[1].

[1]. M Levy, et al. Impairment of the metabolism of dipyron in asymptomatic carriers of the hepatitis B virus. Clin Pharmacol Ther

[2]. A Noda, et al. Formation of 4-formylaminoantipyrine as a new metabolite of aminopyrine. II. Enzymatic demethylation and oxidation of aminopyrine and 4-monomethylaminoantipyrine. Chem Pharm Bull (Tokyo).1976 Dec;24(12):3229-31.

[3]. David do C Malvar, et al. Dipyron metabolite 4-MAA induces hypothermia and inhibits PGE2 -dependent and -independent fever while 4-AA only blocks PGE2 -dependent fever. Br J Pharmacol. 2014 Aug;171(15):3666-79.

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

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