

## Product Data Sheet

Product Name: Mandipropamid

Cat. No.: GC91409

### Chemical Properties

Cas. No. 374726-62-2

Formula  $C_{23}H_{22}ClNO_4$

M.Wt 411.9

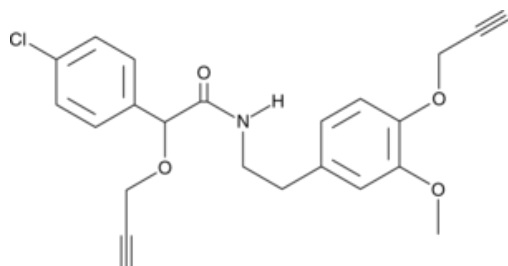
Solubility Acetonitrile: Soluble

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

Mandipropamid is a carboxylic acid amide fungicide.<sup>1,2</sup> It inhibits cellulose synthesis and germ tube elongation in *P. infestans* when used at a concentration of 68 nM.<sup>1</sup> Mandipropamid reduces mycelial growth of *Phytophthora* and *P. litchi* (EC<sub>50</sub>s = 0.008-0.03 mg/L).<sup>2</sup> It is toxic to zebrafish embryos, larvae, and adults (LC<sub>50</sub>s = 19.91, 4.53, and 4.85 mg/L, respectively). Mandipropamid has been used as a chemical inducer of proximity to study protein translocation in vitro and in vivo.<sup>3</sup> Formulations containing mandipropamid have been used as fungicides in agriculture.

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

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