

Product Data Sheet

Product Name: Metformin D6 hydrochloride

Cat. No.: GC61045

Chemical Properties

Cas. No. 1185166-01-1

SMILES NC(NC(N(C([2H])([2H])[2H])C([2H])([2H])[2H])=N)=N.[H]Cl

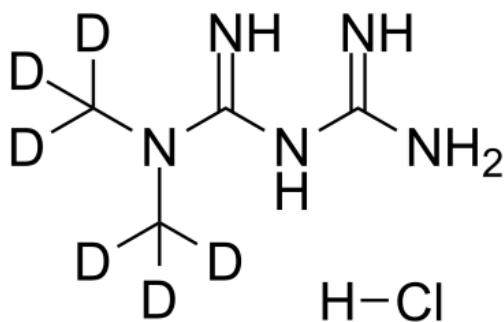
Formula $C_4H_6D_6ClN_5$ M.Wt 171.66

Solubility H_2O : 50 mg/mL (291.27 mM; Need ultrasonic); DMSO : 50 mg/mL (291.27 mM; ultrasonic and warming and heat to 60°C) 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

Metformin D6 hydrochloride is a deuterium labeled Metformin hydrochloride. Metformin hydrochloride inhibits the mitochondrial respiratory chain in the liver, leading to activation of AMPK, enhancing

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

Product Data Sheet

insulin sensitivity for type 2 diabetes research. Metformin hydrochloride triggers autophagy[1].

[1]. Soraya H, et al. Acute treatment with metformin improves cardiac function following NSC 37745 induced myocardial infarction in rats. Pharmacol Rep. 2012;64(6):1476-84.

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