
Product Data Sheet

Product Name: Abrucomstat

Cat. No.: GC64353

Chemical Properties

Cas. No. 100502-66-7

Formula C₃H₇NO₄

M.Wt 121.09

Solubility H₂O : 100 mg/mL (825.83 mM; Need ultrasonic); DMSO :
100 mg/mL (825.83 mM; Need ultrasonic)Store
Storage at -
20°CGeneral
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**

Abrucomstat (3-Nitrooxypropanol) acts as an enzyme inhibitor to decrease ruminal methanogenesis[1][2].

[1]. Zhang XM, et al. 3-Nitrooxypropanol supplementation had little effect on fiber degradation and microbial colonization of forage particles when evaluated using the in situ ruminal incubation technique. J Dairy Sci. 2020 Oct;103(10):8986-8997.

[2]. Meale SJ, et al. Early life dietary intervention in dairy calves results in a long-term reduction in methane emissions. Sci Rep. 2021 Feb 4;11(1):3003.

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

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