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**Product Data Sheet**

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Product Name: Monomethyl fumarate-d3

Cat. No.: GC68319

**Chemical Properties**

Cas. No. 1616345-41-5

Formula C<sub>5</sub>H<sub>3</sub>D<sub>3</sub>O<sub>4</sub>

M.Wt 133.12

Solubility DMSO : 50 mg/mL (375.60 mM; Need ultrasonic); H<sub>2</sub>O : 10 mg/mL (75.12 mM; ultrasonic and warming and heat to 60°C) Store Storage 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**

Monomethyl fumarate D3 is a deuterium labeled Monomethyl fumarate. Monomethyl fumarate is the primary metabolite of dimethyl fumarate<sup>[1]</sup>.

[1]. Lim JL, et al. Protective effects of monomethyl fumarate at the inflamed blood-brain barrier. *Microvasc Res.* 2016 May;105:61-9.

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

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