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**Product Data Sheet**

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Product Name: LY2140023

Cat. No.: GC61016

**Chemical Properties**

Cas. No. 635318-55-7

SMILES O=C([C@]1(NC([C@@H](N)CCSC)=O)CS([C@@]2([H])[C@H](C(O)=O)[C@@]12[H])(=O)=O)OFormula C<sub>12</sub>H<sub>18</sub>N<sub>2</sub>O<sub>7</sub>S<sub>2</sub> M.Wt 366.41

Solubility DMSO: 13.33 mg/mL (36.38 mM); Water: &lt; 0.1 mg/mL (insoluble) 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**

LY2140023 is an orally active prodrug of LY404039. LY404039 is a selective metabotropic glutamate 2/3 receptor agonist. LY2140023 has the potential for schizophrenia[1].

LY2140023 (orally; 3, 10, and 300 mg/kg; once daily for 7 days) dose-dependent increases the levels of the dopamine metabolites dihydroxyphenylacetic acid (DOPAC) and homovanillic acid (HVA)[1]. Animal Model: Male Fischer rats (approximately 250 g) [1]

[1]. Lowe S, et al. Effects of a novel mGlu<sub>2/3</sub> receptor agonist prodrug, LY2140023 monohydrate, on central monoamine turnover as determined in human and rat cerebrospinal fluid. *Psychopharmacology (Berl)*. 2012 Feb;219(4):959-70.

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

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