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**Product Data Sheet**

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Product Name: ALR2-IN-1

Cat. No.: GC68645

**Chemical Properties**

Cas. No. 2799695-54-6

Formula  $C_{16}H_{17}N_3O_2S$ 

M.Wt 315.39

Solubility DMSO : 100 mg/mL (317.07 mM; Need ultrasonic)

Storage 4°C, protect from light

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**IC<sub>50</sub>: 1.42 μM (ALR2) >100 μM (ALR1)<sup>[1]</sup>

ALR2-IN-1 is a potent and selective **ALR2** inhibitor (IC<sub>50</sub>=1.42 μM). ALR2-IN-1 shows antioxidant and antiglycative properties. ALR2-IN-1 can be used in diabetic complication research<sup>[1]</sup>.

[1]. Aqeel Imran, et al. Development, Molecular Docking, and In Silico ADME Evaluation of Selective ALR2 Inhibitors for the Treatment of Diabetic Complications via Suppression of the Polyol Pathway. ACS Omega 2022.

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

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