
Product Data Sheet

Product Name: Valiglurax

Cat. No.: GC70108

Chemical Properties

Cas. No. 1976050-09-5

Formula C₁₆H₁₀F₃N₅

M.Wt 329.28

Solubility DMSO : 125 mg/mL (379.62 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**

Valiglurax (VU0652957) is a potent, orally active and selective **mGlu4 positive allosteric** modulator with **EC₅₀** values of 64.6 nM and 197 nM for hmGlu₄/Gqi5 and rmGlu₄ GIRK, respectively. Valiglurax is a central nervous system (CNS) penetrant.

Valiglurax can be used in research of Parkinson's disease^[1].

Valiglurax (VU0652957; 0.3-30 mg/kg; po) haloperidol (HIC)^[1]

Animal Model: haloperidol-induced catalepsy (HIC) in rats^[1]

Dosage: 0.3-30 mg/kg

Administration: Oral administration

Result: Reversed haloperidol -induced catalepsy (HIC) in rats in a dose-dependent manner.

[1]. Panarese JD, et, al. Discovery of VU2957 (Valiglurax): An mGlu4 Positive Allosteric Modulator Evaluated as a Preclinical Candidate for the Treatment of Parkinson's Disease.

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

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