
Product Data Sheet

Product Name: Luvadaxistat

Cat. No.: GC64018

Chemical Properties

Cas. No. 1425511-32-5

Formula C₁₃H₁₁F₃N₂O₂

M.Wt 284.23

Solubility DMSO : 16.67 mg/mL (58.65 mM; ultrasonic and warming and heat to 60°C)

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**

TAK-831 is a highly selective and potent inhibitor of D-amino acid oxidase (DAAO) and can be used in studies of schizophrenia[1][2].

[1]. Wang H, Norton J, Xu L, DeMartinis N, Sen R, Shah A, Farmer J, Lynch D. Results of a randomized double-blind study evaluating luvadaxistat in adults with Friedreich ataxia. *Ann Clin Transl Neurol.* 2021 Jun;8(6):1343-1352.

[2]. Yoneyama T, Sato S, Sykes A, Fradley R, Stafford S, Bechar S, Howley E, Patel T, Tagawa Y, Moriwaki T, Asahi S. Mechanistic Multilayer Quantitative Model for Nonlinear Pharmacokinetics, Target Occupancy and Pharmacodynamics (PK/TO/PD) Relationship of D-Amino Acid Oxidase Inhibitor, TAK-831 in Mice. *Pharm Res.* 2020 Aug 5;37(8):164.

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

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