

# GYKI-47261 dihydrochloride Biochemical | GYKI-47261 biochemical

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CATALOG #  
AAA227520

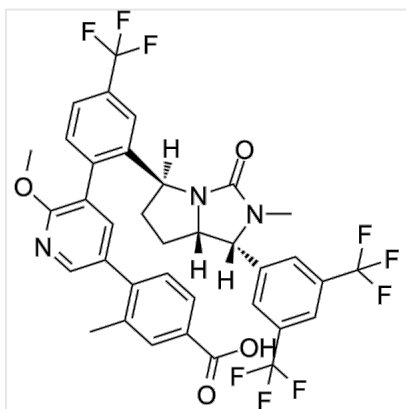
## PRODUCT SYNONYMS

GYKI-47261 dihydrochloride; GYKI-47261 biochemical

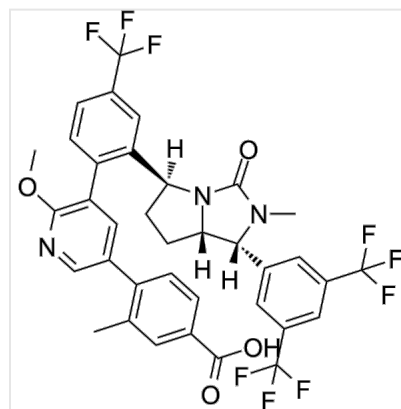
## PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purity/Purification     | 98%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| CAS                     | 1217049-32-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Solubility              | <1mg/ml refers to the product slightly soluble or insoluble                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| In vitro                | GYKI-47261 dihydrochloride (6 mg/kg; i.v.) shows antiischemic effect in a transient focal ischemia model, in rats. GYKI-47261 dihydrochloride (p.o.) potently mitigated the tremor induced by oxotremorine with ED <sub>50</sub> of 16.8mg/kg in male CD1 mice[1]. GYKI-47261 dihydrochloride(20 mg/kg; i.p.) reverses the dopamine depleting effect of MPTP[1]. Animal Model: Male C57 black mice, weighing 23-30 g[1]. Dosage: 20 mg/kg. Administration: I.p. Result: Reversed the MPTP-induced decrease in striatal concentrations. |
| Preparation and Storage | Powder: -20 degree C for 3 years<br>In solvent: -80 degree C for 2 years                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

## IMAGES



Structure  
CETP-IN-4, CAS 1648889-70-6



Structure  
CETP-IN-4, CAS 1648889-70-6

## ADDITIONAL INFORMATION

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|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for GYKI-47261 biochemical | GYKI-47261 dihydrochloride is a competitive, orally active, and selective AMPA receptor antagonist with an IC <sub>50</sub> of 2.5 μM. GYKI-47261 has broad spectrum anticonvulsive activity and neuroprotective effects. GYKI-47261 dihydrochloride is also a potent inducer of CYP2E1. |
| References                                             | 1. Liu J, et al. Cholesteryl ester transfer protein (CETP) inhibitors based on cyclic urea, bicyclic urea and bicyclic sulfamide cores. Bioorg Med Chem Lett. 2021 Jan 15;32:127668.                                                                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

