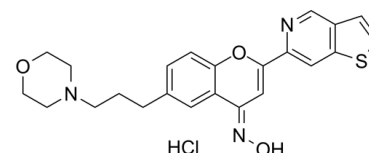


## Data Sheet

<b>Product Name:</b>	Foliglurax (monohydrochloride)
<b>Cat. No.:</b>	CS-0068027
<b>CAS No.:</b>	2133294-96-7
<b>Molecular Formula:</b>	C <sub>23</sub> H <sub>24</sub> CIN <sub>3</sub> O <sub>3</sub> S
<b>Molecular Weight:</b>	457.97
<b>Target:</b>	mGluR
<b>Pathway:</b>	GPCR/G Protein; Neuronal Signaling
<b>Solubility:</b>	DMSO : 5 mg/mL (10.92 mM; Need ultrasonic)



### BIOLOGICAL ACTIVITY:

Foliglurax monohydrochloride (PXT002331 monohydrochloride) is a highly selective and potent, brain-penetrant metabotropic glutamate receptor 4 positive allosteric modulator (**mGluR4 PAM**), with an  $EC_{50}$  of 79 nM<sup>[1]</sup>. Antiparkinsonian effect<sup>[1]</sup>. **In Vitro:** Foliglurax, a highly selective and potent mGlu4 receptor PAM with a marked brain-penetrance feature, might revolutionize the field of mGlu4 receptor drug targeting in CNS disorders<sup>[2]</sup>.

### References:

[1]. Charvin D, et al. Discovery, Structure-Activity Relationship, and Antiparkinsonian Effect of a Potent and Brain-Penetrant Chemical Series of Positive Allosteric Modulators of Metabotropic Glutamate Receptor 4. *J Med Chem.* 2017 Oct 26;60(20):8515-8537.

[2]. Volpi C, et al. Opportunities and challenges in drug discovery targeting metabotropic glutamate receptor 4. *Expert Opin Drug Discov.* 2018 May;13(5):411-423.

### CAIndexNames:

4H-1-Benzopyran-4-one, 6-[3-(4-morpholinyl)propyl]-2-thieno[3,2-c]pyridin-6-yl-, oxime, hydrochloride (1:1)

### SMILES:

O/N=C1C=C(C2=CC3=C(C=CS3)C=N2)OC4=CC=C(CCCN5CCOCC5)C=C\14.Cl

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

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