

IOWH-032

Catalog No: tcsc1744



Available Sizes

Size: 10mg

Size: 50mg



Specifications

CAS No:

1191252-49-9

Formula:

$C_{22}H_{15}Br_2N_3O_4$

Pathway:

Membrane Transporter/Ion Channel

Target:

CFTR

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 100 mg/mL (183.43 mM)

Observed Molecular Weight:

545.18

Product Description

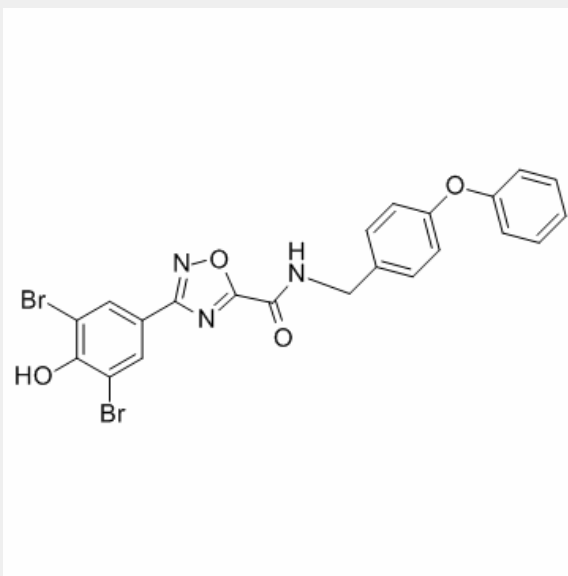
IOWH-032 is a novel and potent CFTR inhibitor ($IC_{50}=1.01$ μ M) in T84 and CHO-CFTR cell based assays.

IC_{50} value: 1.01 μ M (CHO-CFTR FLIPR) [1]

Target: CFTR

Profiling of iOWH032 showed it to be a CFTR inhibitor in T84 and CHO-CFTR cell based assays. It also demonstrated statistical significant inhibition at both 100 g & 10 g doses in the mouse closed-loop model. iOWH032 was further profiled in a cecetomized rat model. iOWH032 reduced the fecal output index by ~70%, compared to vehicle (cholera

toxin), up to 8 hours after a single 5 mg/kg po dose.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!