

# 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 :  $\geq 100$  mg/mL (183.43 mM)

**Observed Molecular Weight:**

545.18

## Product Description

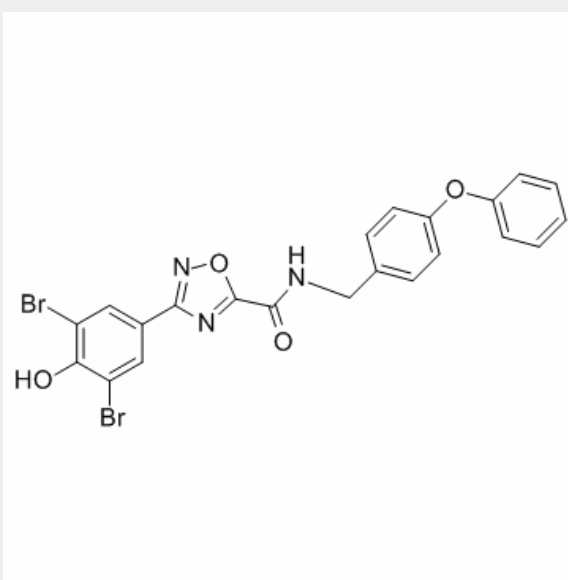
IOWH-032 is a novel and potent CFTR inhibitor ( $IC_{50}=1.01$   $\mu$ M) in T84 and CHO-CFTR cell based assays.

$IC_{50}$  value: 1.01  $\mu$ 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!