

# TBK1 / IKKε-IN-1

## Catalog No: tcsc0039319



### Available Sizes

**Size:** 5mg

**Size:** 10mg

**Size:** 25mg



### Specifications

**CAS No:**

2058264-32-5

**Formula:**

$C_{28}H_{26}N_4O_5$

**Pathway:**

NF-κB

**Target:**

IKK

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

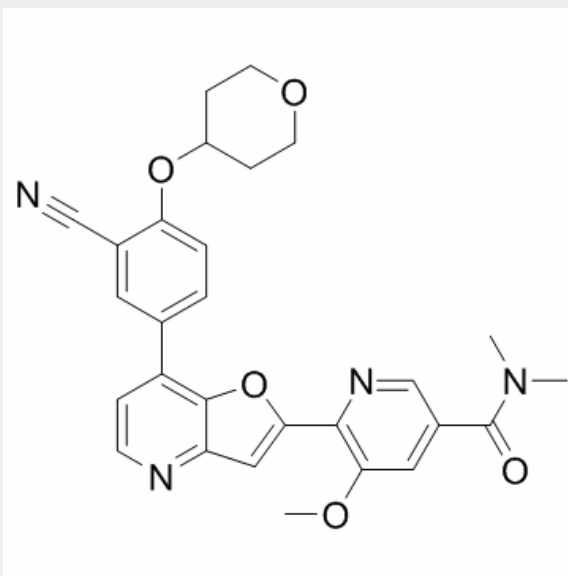
**Observed Molecular Weight:**

498.53

## Product Description

TBK1/IKKε-IN-1 is a dual **TBK1** and **IKKε** inhibitor extracted from patent US20160376283 A1, Compound 274 in Example 60, has **IC<sub>50</sub>** s of  
IC50 & Target: IC50: [1]

**In Vitro:** IKK $\epsilon$  and TBK1 are serine/threonine kinases which are highly homologous to one another and other I $\kappa$ B kinases (IKK- $\alpha$  and IKK- $\beta$ ). The two kinases play an integral role in the innate immune system. Double-stranded RNA viruses are recognised by the Toll-like receptors 3 and 4 and the RNA helicases RIG-I and MDA-5 and result in activation of the TRIF-TBK1/IKK $\epsilon$ -IRF3 signalling cascade, which results in a type I interferon response<sup>[1]</sup>.



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