

# CeMMEC1

Catalog No: tcsc0040872



## Available Sizes

**Size:** 5mg

**Size:** 10mg

**Size:** 25mg

**Size:** 50mg

**Size:** 100mg



## Specifications

**CAS No:**

440662-09-9

**Formula:**

$C_{19}H_{16}N_2O_4$

**Pathway:**

Epigenetics;Cell Cycle/DNA Damage

**Target:**

Epigenetic Reader Domain;DNA/RNA Synthesis

**Purity / Grade:**

>98%

**Solubility:**

DMSO : 100 mg/mL (297.32 mM; Need ultrasonic)

**Observed Molecular Weight:**

336.34

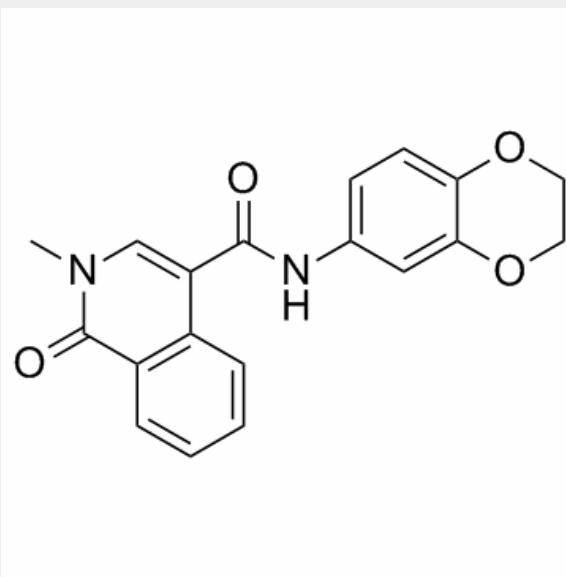
## Product Description

CeMMEC1 is an inhibitor of **BRD4**, and also has high affinity for **TAF1**, with an **IC<sub>50</sub>** of 0.9  $\mu$ M for TAF1, and a **K<sub>d</sub>** of 1.8  $\mu$ M for TAF1 (2).

IC50 & Target: Kd: 1.8  $\mu$ M (TAF1 (2))<sup>[1]</sup>

IC50: 0.9  $\mu$ M (TAF1)<sup>[1]</sup>

**In Vitro:** CeMMEC1 is an inhibitor of BRD4, and also has high affinity for TAF1, with an IC<sub>50</sub> of 0.9  $\mu$ M for TAF1, and a K<sub>d</sub> of 1.8  $\mu$ M for TAF1 (2) and also shows high affinity for the bromodomains of CREBBP, EP300, BRD9. CeMMEC1 (1, 10, 20  $\mu$ M) decreases the number of THP1 cells in S phase in a dose manner. CeMMEC1 also induces apoptosis. CeMMEC1 in combination with (S)-JQ1 displays potently impaired cell viability than treatment alone<sup>[1]</sup>.



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