

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

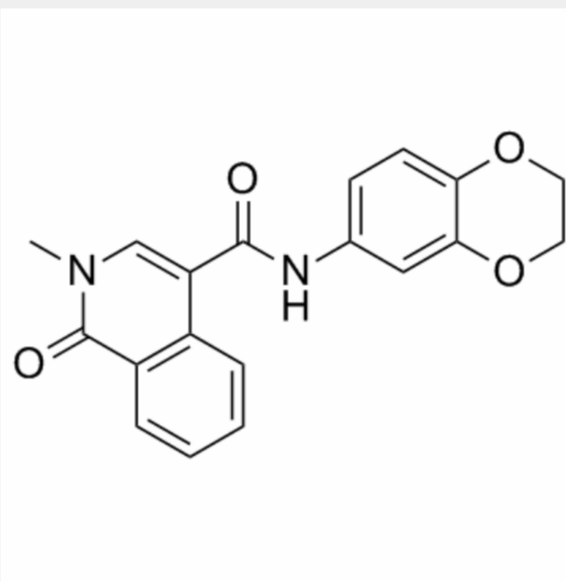
Product Description

CeMMEC1 is an inhibitor of **BRD4**, and also has high affinity for **TAF1**, with an **IC₅₀** of 0.9 μ M for TAF1, and a **K_d** of 1.8 μ M for TAF1 (2).

IC50 & Target: Kd: 1.8 μ M (TAF1 (2))^[1]

IC50: 0.9 μ M (TAF1)^[1]

In Vitro: CeMMEC1 is an inhibitor of BRD4, and also has high affinity for TAF1, with an **IC₅₀** of 0.9 μ M for TAF1, and a **K_d** of 1.8 μ M for TAF1 (2) and also shows high affinity for the bromodomains of CREBBP, EP300, BRD9. CeMMEC1 (1, 10, 20 μ 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^[1].



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