

**Product Name:** CeMMEC1

**Catalog No.:** 7139

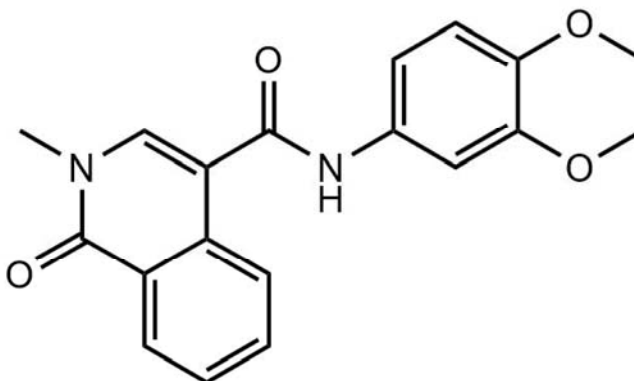
**Batch No.:** 1

CAS Number: 440662-09-9

IUPAC Name: *N*-(2,3-Dihydro-1,4-benzodioxin-6-yl)-1,2-dihydro-2-methyl-1-oxo-4-isoquinolinecarboxamide

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>19</sub>H<sub>16</sub>N<sub>2</sub>O<sub>4</sub>.  
**Batch Molecular Weight:** 336.35  
**Physical Appearance:** Off White solid  
**Solubility:** DMSO to 100 mM  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 99.9% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	67.85	4.8	8.33
Found	68.06	4.82	8.37

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**Description:**

CeMMEC1 is a TAF1 inhibitor ( $K_d = 1.8 \mu\text{M}$ ,  $\text{IC}_{50} = 900 \text{ nM}$ ). CeMMEC1 impairs cell viability in combination with (+)-JQ1 (Cat. No. 4499) and inhibits proliferation of THP-1 and H23 lung adenocarcinoma cells.

**Physical and Chemical Properties:**

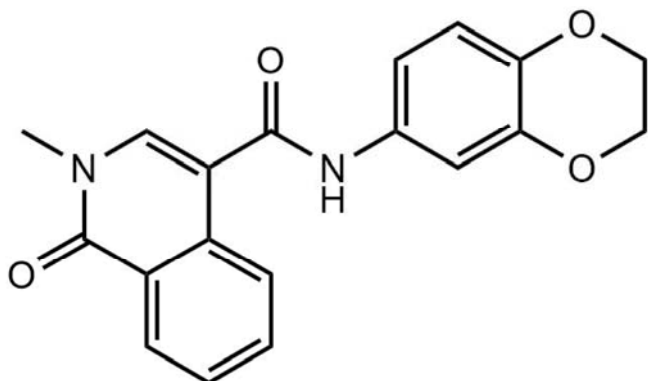
Batch Molecular Formula:  $\text{C}_{19}\text{H}_{16}\text{N}_2\text{O}_4$ .

Batch Molecular Weight: 336.35

Physical Appearance: Off White solid

**Minimum Purity:**  $\geq 98\%$

**Batch Molecular Structure:**



**Storage:** Store at  $-20^\circ\text{C}$

**Solubility & Usage Info:**

DMSO to 100 mM

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a  $45\text{-}60^\circ\text{C}$  water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at  $-20^\circ\text{C}$  or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

**References:**

Sdelci *et al* (2016) Mapping the chemical chromatin reactivation landscape identifies BRD 4-TAtaF1 cross-talk. *Nat.Chem.Biol.* **12** 504. PMID: 27159579.

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**bio-techne.com**

info@bio-techne.com

techsupport@bio-techne.com

**North America**

Tel: (800) 343 7475

**China**

info.cn@bio-techne.com

Tel: +86 (21) 52380373

**Europe Middle East Africa**

Tel: +44 (0)1235 529449

**Rest of World**

www.tocris.com/distributors

Tel:+1 612 379 2956