

# DMA

**Catalog No: tcsc1309**



## Available Sizes

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**Size:** 5mg

**Size:** 10mg

**Size:** 50mg

**Size:** 100mg



## Specifications

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**CAS No:**

188860-26-6

**Formula:**

$C_{27}H_{28}N_6O_2$

**Pathway:**

Others

**Target:**

Others

**Purity / Grade:**

>98%

**Solubility:**

DMSO :  $\geq 54$  mg/mL (115.25 mM)

**Observed Molecular Weight:**

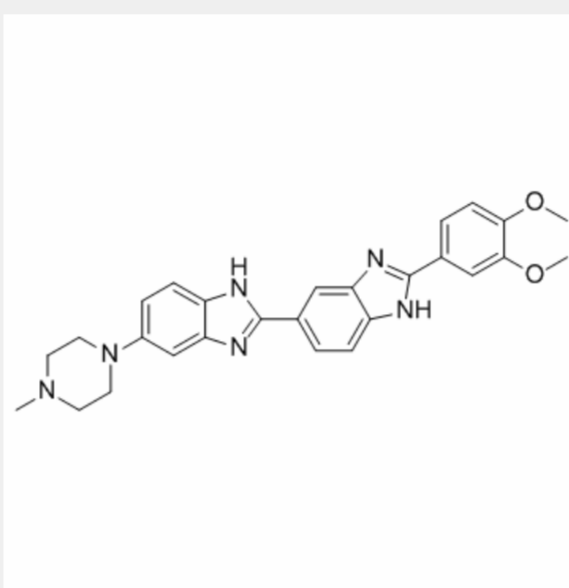
468.55

## Product Description

DMA is a fluorescent compound ( $\lambda_{ex}=340$  nm,  $\lambda_{em}=478$  nm).

IC50 & Target: IC50: 3.4  $\mu$ M (HeLa cell), 5.3  $\mu$ M (MCF7 cell)<sup>[1]</sup>

**In Vitro:** The newly synthesized bisbenzimidazole derivatives DMA (6c) is evaluated for their cytotoxicity against human tumor cell lines, which are cervix carcinoma cell line (HeLa), breast carcinoma cell line (MCF7) and brain glioma cell line (U87) in comparison to Hoechst. In case of MCF7, the IC<sub>50</sub> is observed at 5.3  $\mu$ M for DMA. The IC<sub>50</sub> determined in the case of HeLa is 3.4  $\mu$ M for DMA<sup>[1]</sup>.



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