

DMA

Catalog No: tcsc1309



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

188860-26-6

Formula:

$C_{27}H_{28}N_6O_2$

Pathway:

Others

Target:

Others

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 54 mg/mL (115.25 mM)

Observed Molecular Weight:

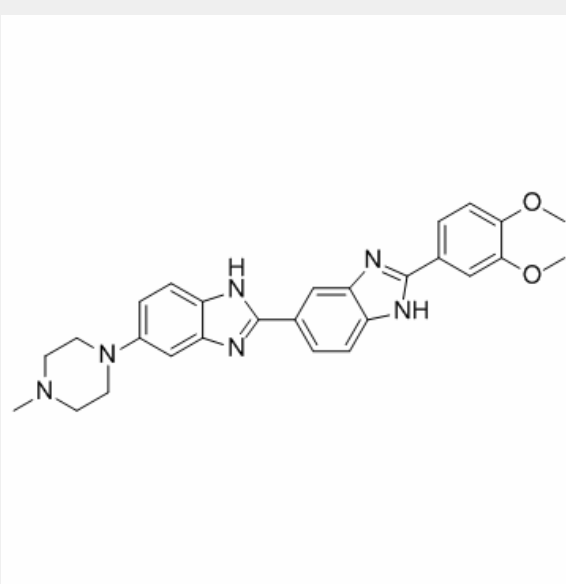
468.55

Product Description

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

IC50 & Target: IC50: 3.4 μ M (HeLa cell), 5.3 μ M (MCF7 cell)^[1]

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 IC₅₀ is observed at 5.3 μ M for DMA. The IC₅₀ determined in the case of HeLa is 3.4 μ M for DMA^[1].



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