

Antifungal agent 141

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Antifungalagent 141, a phenoxazine derivative, is an antifungal compound. It demonstrates potent antifungal activity against <i>Cryptococcus neoformans</i> and <i>Candida albicans</i> , with MIC values of 2 and 4 µg/mL, respectively. Antifungalagent 141 is applicable in research on cryptococcal meningitis.
In vitro	Antifungal agent 141 (Compound 61) exhibits potent antifungal activity against <i>Cryptococcus neoformans</i> and <i>Candida albicans</i> , with MIC values of 2 and 4 µg/mL, respectively. It has low affinity for serotonin receptors (such as 5-HT1A/1B/1D/2A) and dopamine receptors (such as D1/D2/D3), with K _i values greater than 500 nM.
In vivo	Antifungal agent 141 (Compound 61), administered at 50 mg/kg via intraperitoneal injection once daily for three consecutive days, did not reduce fungal burden in the brain within a murine model of disseminated cryptococcosis.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481