

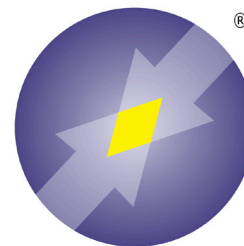
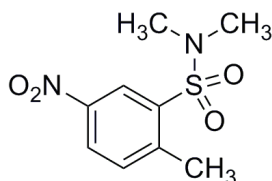
BRL-50481

Catalog Number P020-10MG

Catalog Number P020-50MG

FEATURES

- Potent inhibitor of PDE7
- Induces apoptosis
- Cell Permeable



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INTRODUCTION

BRL-50481 is a potent and selective inhibitor of phosphodiesterase-7 (PDE7), $K_i=180 \text{ nM}^1$. Induces apoptosis in chronic lymphocytic leukemia cells which express PDE7B². Increases mineralization in osteoblasts differentiated from hMSC³. Cell permeable.

FORM:	Off white solid, MP=65-67°C
MOLECULAR WEIGHT:	244.3
STORAGE:	Room temperature desiccated
FORMULA:	$\text{C}_9\text{H}_{12}\text{N}_2\text{O}_4\text{S}$
CAS NUMBER:	433695-36-4
OTHER NAMES:	3-(N,N-Dimethylsulfonamido)-4-methylnitrobenzene
USES:	Soluble to 40 mg/mL in DMSO, 5 mg/mL in Ethanol.

REFERENCES:

1. SJ Smith et al. Mol. Pharmacol. 2004 66:1679
2. L Zhang et al. Proc. Natl. Acad. Sci. USA 2008 105:19532
3. M Pekkinen et al. Bone 2008 43:84

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