

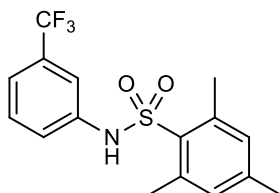
Catalog # 10-2718

m-3M3FBS

200933-14-8

2,4,6-Trimethyl-N-[3-(trifluoromethyl)phenyl]benzenesulfonamide

Lot # X106522



Activator of phospholipase C (PLC). Stimulates superoxide generation, Ca²⁺ release and inositol phosphate release in a variety of cell types¹. Inhibits growth of U937 and THP-1 cells². Also affects calcium homeostasis independently of PLC activation³.

- 1) Bae *et al.* (2003), *Identification of a compound that directly stimulates phospholipase C activity*; Mol. Pharmacol., **63** 1043
- 2) Lee *et al.* (2005), *The novel phospholipase C activator, m-3M3FBS, induces monocytic leukemia cell apoptosis*; Cancer Lett., **222** 227
- 3) Krjukova *et al.* (2004), *Phospholipase C activator m-3M3FBS affects Ca²⁺ homeostasis independently of phospholipase C activation*; Br. J. Pharmacol., **143** 3

PHYSICAL DATA

Molecular Weight:	343.37
Molecular Formula:	C ₁₆ H ₁₆ F ₃ NO ₂ S
Purity:	98% by TLC NMR: (Conforms)
Solubility:	DMSO (up to 50 mg/ml) or Ethanol (up to 40 mg/ml)
Physical Description:	Beige solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 2 years from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

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