

Product Name	: 15-Lipoxygenase Inhibitor 1
Synonyms	: 4-MMPB
Cat No.	: M24982
CAS Number	: 928853-86-5
Molecular Formula	: C ₁₆ H ₁₉ N ₅ S
Formula Weight	: 313.4
Chemical Name	: —
Description	15-Lipoxygenase Inhibitor 1 is a selective inhibitor of 15-lipoxygenase, with an IC ₅₀ of 18 μM. 4-MMPB has IC ₅₀ s of 19.5 μM and 19.1 μM for soybean 15-lipoxygenase (SLO) and human 15-lipoxygenase-1 (15-LOX-1), respectively. 4-MMPB has potential for the research of prostate cancer.
Pathway	: Others
Target	: Other Targets
Receptor	: Others
Solubility	: DMSO:8mg/mL (25.52mM)
SMILES	: <chem>CC1=C2C(=NC(=N1)N3CCN(CC3)C)SC4=CC=CC=C4N2</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1.Nikpour M , Mousavian M , Mahdih Davoodnejad... Synthesis of new series of pyrimido[4,5- b][1,4] benzothiazines as 15-lipoxygenase inhibitors and study of their inhibitory mechanism[J]. Medicinal Chemistry Research, 2013, 22(10):5036-5043.