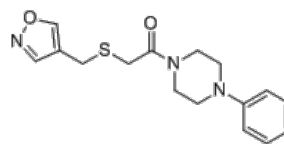


Product Name : IMTPPE
Synonyms : SID 3712502
Cat No. : M17020
CAS Number :
Molecular Formula : C₁₆H₁₉N₃O₂S
Formula Weight : 317.41
Chemical Name : 2-[(isoxazol-4-ylmethyl)thio]-1-(4-phenylpiperazin-1-yl)ethanone



Description : IMTPPE (SID 3712502) is a novel small molecule capable of inhibiting androgen receptor (AR) transcriptional activity (IC₅₀=1 uM) and protein level in C4-2 prostate cancer cells; IMTPPE inhibited proliferation of AR-positive, but not AR-negative, prostate cancer cells in culture. IMTPPE inhibited the transcriptional activity of a mutant AR lacking the ligand-binding domain (LBD); IMTPPE inhibited the growth of 22Rv1 xenograft tumor, a model for enzalutamide-resistant prostate cancer.

Pathway : Endocrinology/Hormones

Target : Androgen Receptor (AR)

Receptor : Androgen Receptor (AR)

Solubility : —

SMILES : —

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Masoodi KZ, et al. Endocrinology. 2017 Oct 1;158(10):3152-3161.