

Product Name : BMP signaling agonist sb4

Synonyms : SB 4; SB4; SB-4

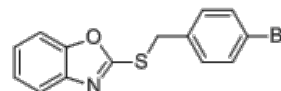
Cat No. : M10057

CAS Number : 100874-08-6

Molecular Formula : C₁₄H₁₀BrNOS

Formula Weight : 320.20

Chemical Name : 2-((4-bromobenzyl)thio)benzo[d]oxazole



Description : BMP signaling agonist sb4 is a small molecule BMP signaling agonist with EC₅₀ of 73.6 nM, enhances the efficacy of BMPs and activates endogenous BMP4 target genes; increases the phosphorylation of key second messengers (SMADs-1/5/9) and also increased expression of direct target genes (inhibitors of DNA binding, ID1 and ID3) in canonical BMP signaling.

Pathway : TGF-beta/Smad

Target : TGFBR

Receptor : TGFBR

Solubility : —

SMILES : BrC1=CC=C(CSC2=NC3=CC=CC=C3O2)C=C1

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Bradford STJ, et al. J Biol Chem. 2019 Jan 2. pii: jbc.RA118.006817.