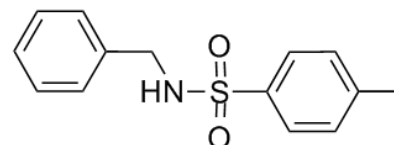


Product Name : BTS
Cat. No. : PC-45036
CAS No. : 1576-37-0
Molecular Formula : C₁₄H₁₅NO₂S
Molecular Weight : 261.3394
Target : Myosin
Solubility : 10 mM in DMSO



Biological Activity

BTS is a highly specific **myosin II ATPase** inhibitor, inhibits the Ca²⁺-stimulated S1 ATPase, and reversibly blocked gliding motility.

BTS inhibits isometric Ca²⁺-activated tension with IC₅₀ of 3 uM in glycerol-extracted fibres from rabbit psoas muscle;.

BTS is specific and has no activity for platelet myosin II.

References

Cheung A, et al. *Nat Cell Biol.* 2002 Jan;4(1):83-8.

Blair DR, et al. *Am J Physiol Endocrinol Metab.* 2009 May;296(5):E993-E1002.

Abi-Gerges N, et al. *J Mol Cell Cardiol.* 2013 Nov;64:108-19.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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