

BTS

Catalog No: tcsc3222



Available Sizes

Size: 500mg



Specifications

CAS No:

1576-37-0

Formula:

$C_{14}H_{15}NO_2S$

Pathway:

Cytoskeleton

Target:

Myosin

Purity / Grade:

>98%

Solubility:

H₂O :

Alternative Names:

N-Benzyl-p-toluenesulfonamide;N-Tosylbenzylamine

Observed Molecular Weight:

261.34

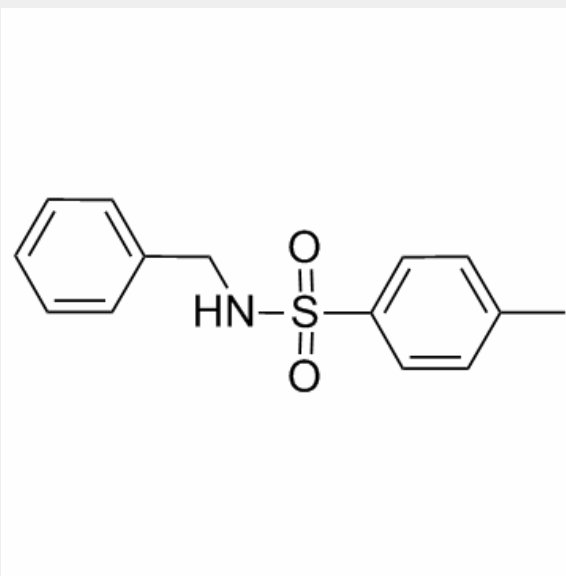
Product Description

BTS is a potent inhibitor of Ca²⁺-stimulated myosin S1 ATPase (IC₅₀ ~ 5 μM) and reversibly blocks the gliding motility.

IC₅₀ value: 5 uM

Target: Ca²⁺-stimulated myosin S1 ATPase

BTS also weakens myosin's interaction with F-actin. BTS is much less effective in suppressing contraction in rat myocardial or rabbit slow twitch muscle and has no effect on platelet myosin II.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!