Product Data Sheet

Product Name: (R)-Baclofen  
CAS No.: 69308-37-8  
Cat. No.: HY-17354  
MWt: 213.66  
Formula: C10H12ClNO2  
Purity: >98%  

Solubility: DMSO >10 mM Water >25 mM  

Mechanisms: Pathways: Membrane Transporter/Ion Channel; Target: GABA Receptor  
Pathways: Neuronal Signaling; Target: GABA Receptor  

Biological Activity:  
(R)-Baclofen(STX209) is a selective GABAB receptor agonist. IC50 value:  
Target: GABAB receptor  
GABAB receptors are metabotropic receptors which produce slow inhibitory signals. By manipulating  
GABAB receptor activity using Baclofen, a variety of functions are studied including synaptic  
transmissions and antinociception events.  

References:  
[1]. Falch E, Hedegaard A, Nielsen L et al. Comparative stereostructure-activity studies on GABAA  
[2]. Hong YG, Henry JL. Effects of phaclofen and the enantiomers of baclofen on cardiovascular  
responses to intrathecal administration of L- and D-baclofen in the rat. Eur J Pharmacol. 1991 Apr  
24;196(3):267-75.  
[4]. Colombo G, Addolorato G, Agabio R et al. Role of GABA(B) receptor in alcohol dependence:  
reducing effect of baclofen on alcohol intake and alcohol motivational properties in rats and  
amelioration of alcohol withdrawal syndrome and alcohol craving in ...  

Caution: Not fully tested. For research purposes only  
Medchemexpress LLC  
www.medchemexpress.com