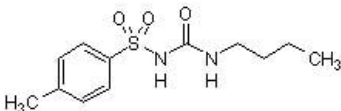


Tolbutamide, K⁺ channel blocker ab120278

1 [References](#) **2** [图像](#)

概述

产品名称	Tolbutamide, K ⁺ channel blocker
描述	K ⁺ channel blocker
生物学描述	Blocker of ATP-sensitive (KIR6.x) inward rectifier K ⁺ channels.
CAS编号	64-77-7
化学结构	

性能

化学名称	1-Butyl-3-tosylurea
分子量	270.35
分子式	C ₁₂ H ₁₈ N ₂ O ₃ S
PubChem识别号	5505
存放说明	Store at Room Temperature. The product can be stored for up to 12 months.
溶解度概述	Soluble in DMSO to 100 mM and in ethanol to 100 mM
处理	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Refer to SDS for further information.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
SMILES	<chem>Cc1ccc(cc1)S(=O)(=O)NC(=O)NCCCC</chem>
来源	Synthetic

应用

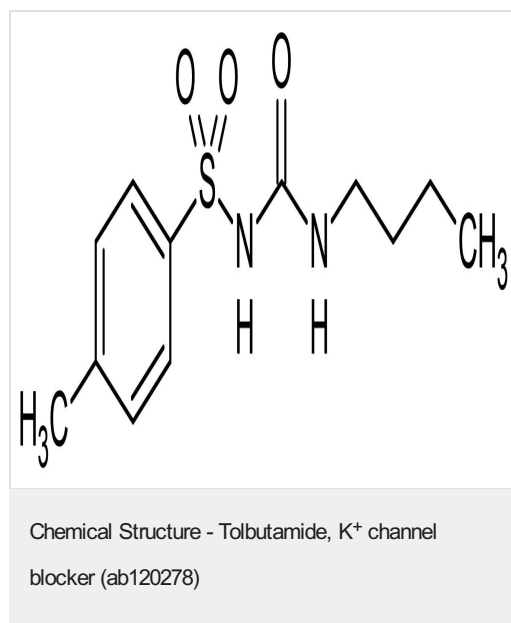
The Abpromise guarantee

Abpromise™ 承诺保证使用 ab120278 于以下的经测试应用

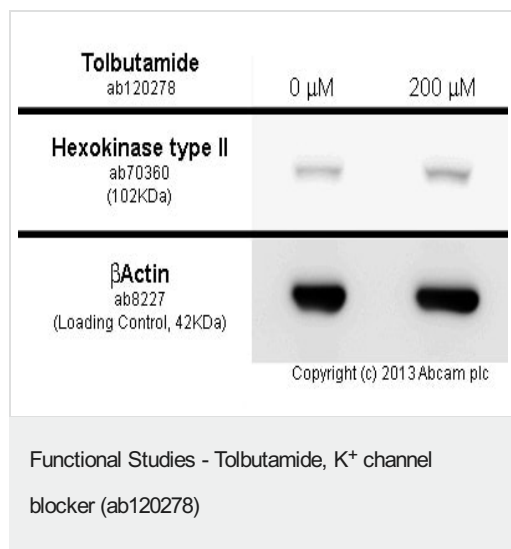
“应用说明”部分 下显示的仅为推荐的起始稀释度；实际最佳的稀释度/浓度应由使用者检定。

应用	Ab 评论	说明
Functional Studies		Use at an assay dependent concentration.

图片



2D chemical structure image of ab120278, Tolbutamide, K⁺ channel blocker



U-87 MG cells were incubated at 37°C for 30 minutes with vehicle control (0 μM) and 200 μM of tolbutamide (ab120278) in DMSO. Increased expression of hexokinase type II (**ab70360**) correlates with an increase in tolbutamide concentration, as described in literature.

Whole cell lysates were prepared with RIPA buffer (containing protease inhibitors and sodium orthovanadate), 10 μg of each were loaded on the gel and the WB was run under reducing conditions. After transfer the membrane was blocked for an hour using 5% BSA before being incubated with **ab70360** at 2 μg/ml and **ab8227** at 1 μg/ml overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP (**ab97051**) at 1/10000 dilution and visualised using ECL development solution.

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