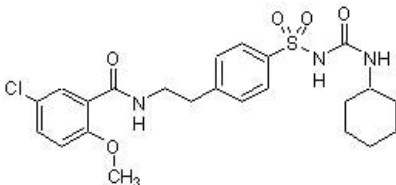


Glibenclamide (Glyburide), K⁺ channel blocker ab120267

3 References [画像数 2](#)

製品の概要

製品名	Glibenclamide (Glyburide), K ⁺ channel blocker
製品の詳細	K ⁺ channel blocker
生理活性の詳細	Selective blocker of ATP-sensitive (KIR6.x) inward rectifier K ⁺ channels.
CAS 番号	10238-21-8
構造式	

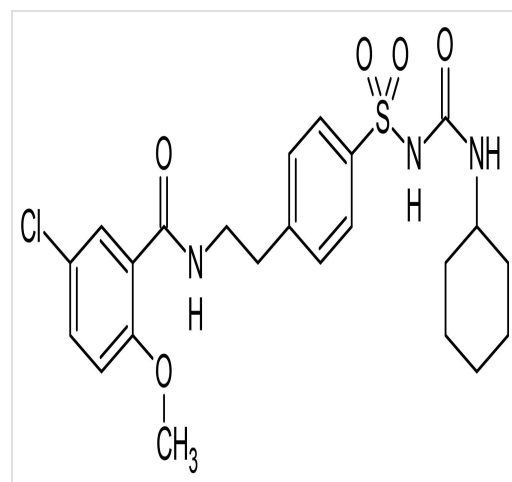
製品の特性

体系名	<i>N</i> - <i>p</i> -[2-(5-Chloro-2-methoxybenzamido)ethyl]benzenesulfonyl- <i>N'</i> -cyclohexylurea
分子量	494.00
分子式	C ₂₃ H ₂₈ ClN ₃ O ₅ S
PubChem 登録番号	3488
保存方法	Store at Room Temperature. The product can be stored for up to 12 months.
溶解性	Soluble in DMSO to 100 mM
使用に関する注意	<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 線形表記	<chem>O=C(NC1CCCCC1)NS(=O)(=O)c3ccc(CCNC(=O)c2cc(Cl)ccc2OC)cc3</chem>
由来	Synthetic

The Abpromise guarantee Abpromise保証は、 次のテスト済みアプリケーションにおけるab120267の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

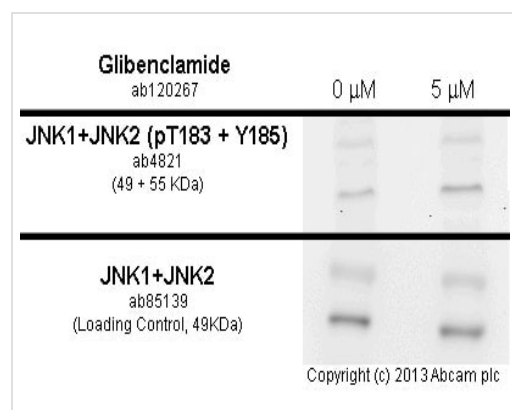
アプリケーション	Abreviews	特記事項
Functional Studies		Use at an assay dependent concentration.

画像



Chemical Structure - Glibenclamide (Glyburide), K⁺ channel blocker (ab120267)

2D chemical structure image of ab120267, Glibenclamide (Glyburide), K⁺ channel blocker



Functional Studies - Glibenclamide (Glyburide), K⁺ channel blocker (ab120267)

MEF1 cells were incubated at 37°C for 24h with vehicle control (0 μM) and 5 μM of glibenclamide (ab120267) in DMSO. Increased expression of JNK1+JNK2 (phospho T183 + Y185) ([ab4821](#)) correlates with an increase in glibenclamide 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 3% milk before being incubated with [ab4821](#) at 1/1000 dilution and [ab85139](#) 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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