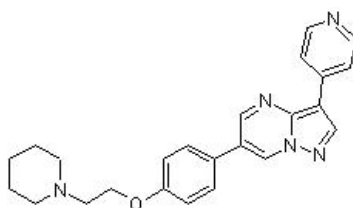


Dorsomorphin (Compound C), AMP-kinase inhibitor ab120843

48 References **画像数 2**

製品の概要

製品名	Dorsomorphin (Compound C), AMP-kinase inhibitor
製品の詳細	Potent, selective and reversible AMP-kinase inhibitor. Selective for BMP signaling.
生理活性の詳細	Potent, selective and reversible inhibitor of AMP-kinase ($K_i = 109$ nM). Inhibits AMPK activation induced by AICAR (ab120358) and metformin (ab120847). Selective inhibitor of bone morphogenetic protein (BMP) type I receptors (ALK2, ALK3 and ALK6). Does not affect ZAPK, SYK, PKC θ , PKA and JAK3. Cell-permeable. Also available in a water soluble form (Dorsomorphin dihydrochloride - ab144821)
精製度	> 99%
CAS 番号	866405-64-3
構造式	



製品の特性

体系名	6-[4-[2-(1-Piperidiny)ethoxy]phenyl]-3-(4-pyridinyl)pyrazolo[1,5-a]pyrimidine
分子量	399.49
分子式	C ₂₄ H ₂₅ N ₅ O
PubChem 登録番号	11524144
保存方法	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解性	Soluble in DMSO to 10 mM (with heating) and to ethanol to 5 mM (with heating)
使用に関する注意	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. Please note that sonication in a 55 °C water bath is necessary for dissolution of ab120843 in

DMSO to 10 mM.

Refer to SDS for further information.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

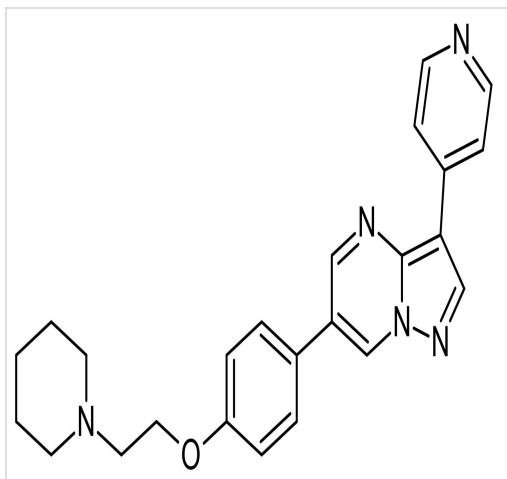
SMILES 線形表記

c1c(cnc2c(cnn12)c3ccncc3)c5ccc(OCCN4CCCCC4)cc5

由来

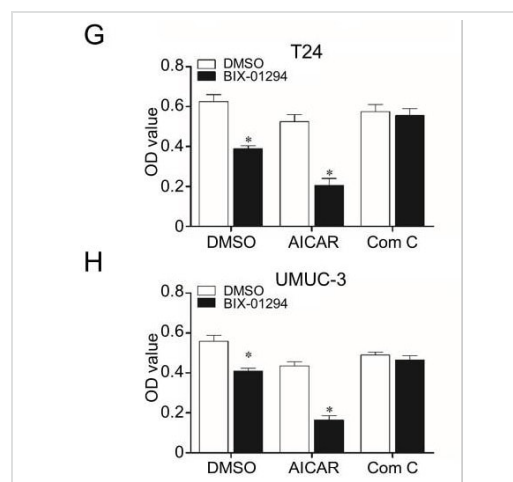
Synthetic

画像



Chemical Structure - Dorsomorphin (Compound C),
AMP-kinase inhibitor (ab120843)

2D chemical structure image of ab120843, Dorsomorphin
(Compound C), AMP-kinase inhibitor



Functional Studies - Dorsomorphin (Compound C),
AMP-kinase inhibitor (ab120843)

Li et al PLoS One. 2015 Sep 23;10(9):e0138390. doi:
10.1371/journal.pone.0138390. eCollection 2015. Fig 6.
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G9a inhibition induces autophagy and autophagic cell death through AMPK/mTOR pathway.

T24 cells (Panel G) and UMUC-3 cells (Panel H) were pre-treated with compound C (5 μ M) or AICAR (1 mM) and then treated with BIX-01294 (1.5 μ M) for 48 h. Cells viability was assessed by MTT assay. * P <0.01.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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