

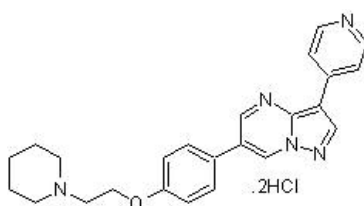
Product datasheet

Dorsomorphin dihydrochloride, AMP-kinase inhibitor ab144821

4 References

Overview

Product name	Dorsomorphin dihydrochloride, AMP-kinase inhibitor
Description	Potent, selective, reversible AMP-kinase inhibitor. BMP type I receptor inhibitor.
Biological description	Potent, selective, reversible AMP-kinase inhibitor ($K_i = 109$ nM). BMP type I receptor inhibitor. Induce autophagy in cancer cells independent of AMPK inhibition. Promotes cardiomyogenesis in embryonic stem cells. Reduces hepcidin, VCAM-1 and ICAM-1 expression <i>in vivo</i> .
Purity	> 99%
CAS Number	1219168-18-9
Chemical structure	



Properties

Chemical name	6-[4-[2-(1-Piperidinyl)ethoxy]phenyl]-3-(4-pyridinyl)pyrazolo[1,5-a]pyrimidine dihydrochloride
Molecular weight	472.42
Molecular formula	$C_{24}H_{25}N_5O \cdot 2HCl$
PubChem identifier	49761481
Storage instructions	Store at $-20^{\circ}C$ (desiccating conditions).
Solubility overview	Soluble in water to 100 mM
Handling	Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.
SMILES	<chem>C1CCN(CC1)CCOC2=CC=C(C=C2)C3=CN4C(=C(C=N4)C5=CC=NC=C5)N=C3.Cl.Cl</chem>
Source	Synthetic

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