AZD6244, MEK1/2 inhibitor ab141343

Overview

Product name: AZD6244, MEK1/2 inhibitor

Description: Potent, selective MEK1/2 inhibitor

Biological description: Potent, selective, non-ATP competitive MEK1/2 inhibitor (IC$_{50}$ MEK1 = 14 nM). Also inhibits ERK1/2 phosphorylation.

Purity: > 99%

CAS Number: 606143-52-6

Chemical structure:

![Chemical structure of AZD6244](image)

Properties

Chemical name: 5-[(4-Bromo-2-chlorophenyl)amino]-4-fluoro-N-(2-hydroxyethoxy)-1-methyl-1H-benzimidazole-6-carboxamide

Molecular weight: 457.69

Molecular formula: C$_{17}$H$_{15}$BrClF$_{4}$N$_{4}$O$_{3}$

PubChem identifier: 10127622

Storage instructions: Shipped at room temperature. Store at -20°C.

Solubility overview: Soluble in DMSO to 100 mM and ethanol 4 mM

Handling: 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.

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

SMILES: CN1C=NC2=C1C=C(C(=C2F)NC3=C(C=C(C=C3)Br)Cl)C(=O)NOCCO

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

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