

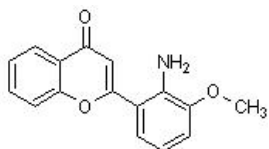
Product datasheet

PD 98059, MEK1 inhibitor ab120234

6 References 1 Image

Overview

Product name	PD 98059, MEK1 inhibitor
Description	MEK1 inhibitor
Biological description	Inhibitor of MKK1 (MEK1).
Purity	> 99%
CAS Number	167869-21-8
Chemical structure	



Properties

Chemical name	2-(2-Amino-3-methoxyphenyl)-4 <i>H</i> -1-benzopyran-4-one
Molecular weight	267.28
Molecular formula	C ₁₆ H ₁₃ NO ₃
PubChem identifier	4713
Storage instructions	Store at Room Temperature. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 25 mM and in ethanol to 5 mM
Handling	<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>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
SMILES	<chem>COc3cccc(C1=CC(=O)c2ccccc2O1)c3N</chem>
Source	Synthetic

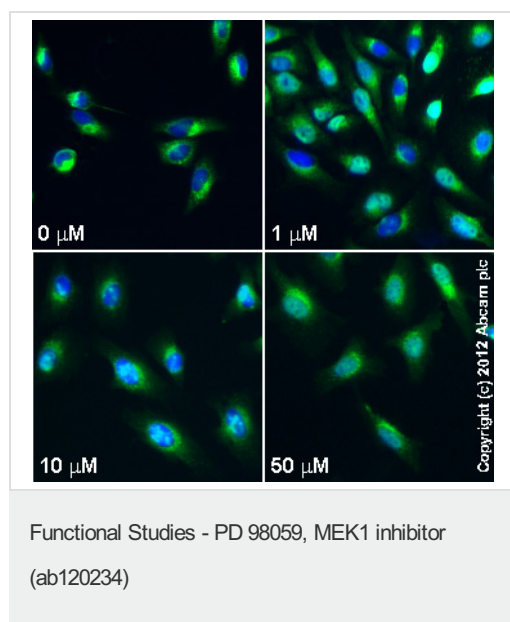
Applications

Our [Abpromise guarantee](#) covers the use of **ab120234** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Functional Studies		Use at an assay dependent concentration.

Images



ab18195 staining hnRNP K in HeLa cells treated with PD 98059 (ab120234), by ICC/IF. Changes in localization of hnRNP K (translocation from cytoplasm to nucleous) correlates with increased concentration of hnRNP K, as described in literature.

The cells were incubated at 37°C for 24h in media containing different concentrations of ab120234 (hnRNP K) in DMSO, fixed with 4% formaldehyde for 10 minutes at room temperature and blocked with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% tween for 2h at room temperature. Staining of the treated cells with **ab18195** (5 μg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 goat anti-rabbit polyclonal antibody (**ab96899**) at 1/250 dilution was used as the secondary antibody. Nuclei were counterstained with DAPI and are shown in blue.

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

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