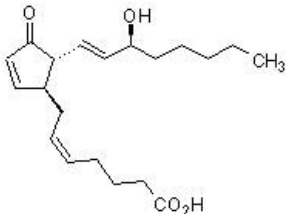


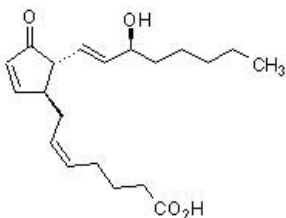
Product datasheet

Prostaglandin J2, PGD2 analog ab120913

2 Images

Overview

Product name	Prostaglandin J2, PGD2 analog
Description	Endogenous product of inflammation; PGD ₂ analog
Purity	> 95%
CAS Number	60203-57-8
Chemical structure	



Properties

Chemical name	(5Z,13E,15S)-15-Hydroxy-11-oxoprostano-5,9,13-trien-1-oic acid
Molecular weight	334.45
Molecular formula	C ₂₀ H ₃₀ O ₄
Storage instructions	Store at -80°C.
Solubility overview	Supplied in methyl acetate (5 mg/ml)
Handling	<p>Providing storage is as stated on the product vial and the vial is kept tightly sealed, the product can be stored for up to 12 months. 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	<chem>CCCCC(O)/C=C/[C@@H]1C(C/C=CCCC(=O)O)C=CC1=O</chem>
Source	Synthetic

Applications

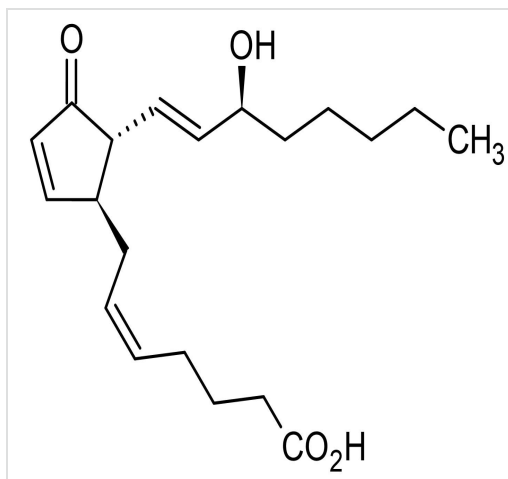
The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab120913 in the following tested applications.

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

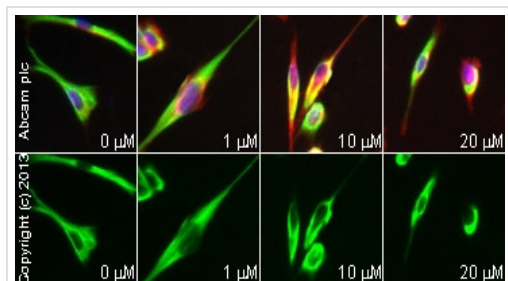
Application	Abreviews	Notes
Functional Studies		Use at an assay dependent concentration.

Images



2D chemical structure image of ab120913, Prostaglandin J2, PGD₂ analog

Chemical Structure - Prostaglandin J2, PGD₂ analog
(ab120913)



Immunocytochemistry/ Immunofluorescence -
Prostaglandin J2, PGD₂ analog (ab120913)

ab80579 staining tau in SKNSH cells treated with prostaglandin J2 (ab120913), by ICC/IF. Expression of tau expression is restricted to the perinuclear zone with increased concentration of prostaglandin J2, as described in literature.

The cells were incubated at 37°C for 6 hours in media containing different concentrations of ab120913 (prostaglandin J2) in DMSO, fixed with 100% methanol for 5 minutes at -20°C 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 **ab80579** (10 μg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 anti-mouse polyclonal antibody (**ab96879**) at 1/250 dilution was used as the secondary antibody. Nuclei (blue) were counterstained with DAPI and membrane is was stained using WGA (red).

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

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- Response to your inquiry within 24 hours

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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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