U-46619

Prostaglandin H_2/thromboxane A_2 receptor agonist

U-46619 is a Prostaglandin H_2/thromboxane A_2 analog and a potent thromboxane A_2 receptor (TP) agonist (EC_{50} = 0.035μM). U-46619 induces platelet shape change and aggregation at 32nM. U-46619 also activates p38 MAPK.

Citations: 34 View Online »

- Potent TP agonist
- Used in cardiovascular studies
- highly cited

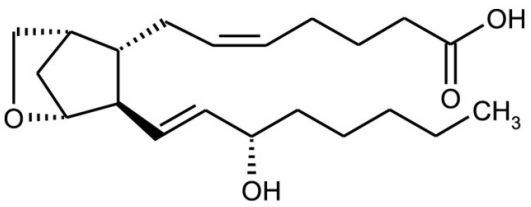
Ordering Information

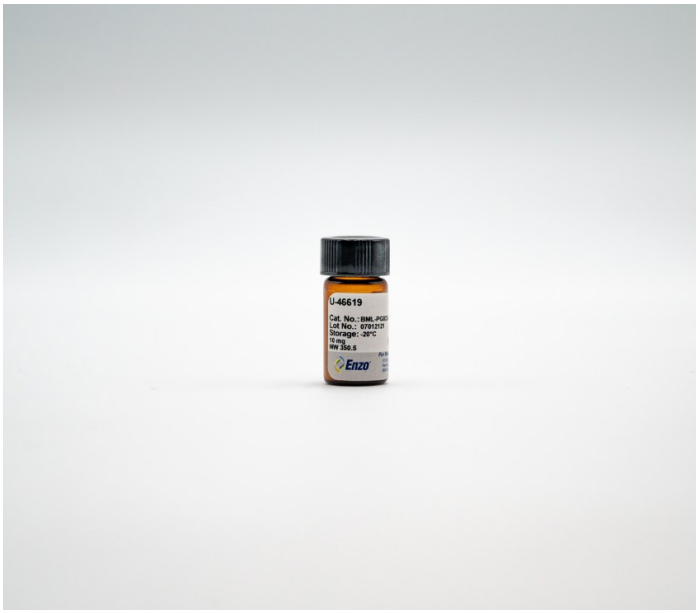
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BML-PG023-0001	1mg
BML-PG023-0010	10mg

Manuals, SDS & CofA

View Online »


OH
O
CH3
O
OH


U-46619
Enzo

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for at least 1 years after receipt when stored at -20°C. We do not recommend storing aqueous solutions for more than one day.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	9,11-Dideoxy-9α,11α-methanoepoxy prostaglandin F2α, 9,11-Dideoxy-9α,11α-methanoepoxy prosta5Z,13E-dien-1-oic acid
Appearance	Pale yellow oil.
CAS	56985-40-1
Couple Target	p38, Prostanoid receptor, Thromboxane receptor
Couple Type	Activator, Ligand
Formula	$C_{21}H_{34}O_4$
Identity	Identity determined by 1H-NMR.
MW	350.5
Purity	≥98% (TLC)
Solubility	Soluble in DMF (100mg/ml), DMSO, 100% ethanol, DMSO, or PBS, pH 7.2 (2mg/ml).
Source	Synthetic.
Technical Info / Product Notes	Note: Product is not sterile.

Last modified: May 29, 2024

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