Misoprostol, free acid

Prostanoid receptor ligand

Free acid form of the cytoprotective PGE_1 analog misoprostol. Misoprostol prevents NSAID-induced gastric ulceration. The free acid form is active in cell free assays and in cell culture and receptor preparations (receptor binding assays etc.). The methyl ester form (misoprostol, Prod. No. BML-PG051) is a prodrug and must be hydrolyzed via intracellular or other esterases in order to display biological activity.

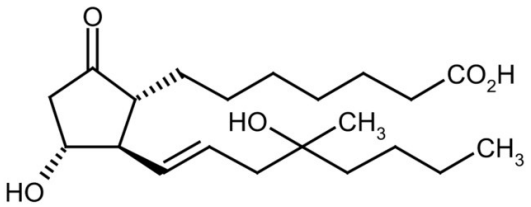
Ordering Information

Order Online »

BML-PG052-0001	1mg

Manuals, SDS & CofA

View Online »


O
CO2H
HO
CH3
CH3
HO

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	(±)-15-Deoxy-(16R,S)-16-hydroxy-16-methyl-prostaglandin E1
Appearance	Yellow viscous oil.
CAS	112137-89-0
Couple Target	Prostanoid receptor
Couple Type	Ligand
Formula	$C_{21}H_{36}O_5$
MW	368.5
Purity	≥98% (TLC)
Solubility	Soluble in 100% ethanol (>15mg/ml) or DMSO (>20mg/ml).

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