Cobalt (III) Protoporphyrin IX chloride

Heme oxygenase activator

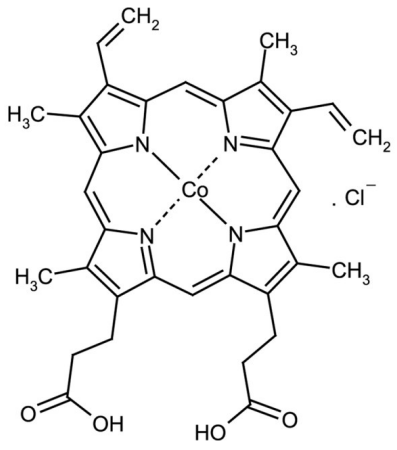
The ability of cobalt ions to induce heme oxygenase (HO) activity in liver cells was first reported almost 30 years ago. Cobalt protoporphyrin IX (CoPP) was later shown to be a substrate for HO, now identified as the inducible isoform HO-1 (heast shock protein 32; hsp32). CoPP has been shown to down-regulate various cytochrome P450 isoforms and various mechanisms of action have been attributed to CoPP and other metalloporphyrins.

Citations: 11 View Online »

Ordering Information Order Online »

ALX-430-076-M025	25mg

Manuals, SDS & CofA View Online »


CH2
CH3
H3C
N
N
Co
. Cl−
CH2
N
N
H3C
CH3
O
OH
HO
O

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Handling	Protect from light and moisture.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	Dark purple solid.
CAS	102601-60-5
Couple Target	Heme oxygenase
Couple Type	Activator
Formula	$C_{34}H_{32}CoN_4O_4$. Cl
Identity	Identity determined by UV/VIS and NMR.
MW	654.5
Purity	≥95% (TLC)
Solubility	Soluble in basic aqueous solutions at pH between 8.5-9.0. Once in solution pH can be adjusted to physiological pH.

Last modified: May 29, 2024

ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com