Cobalt (III) Protoporphyrin IX chloride

Heme oxygenase activator

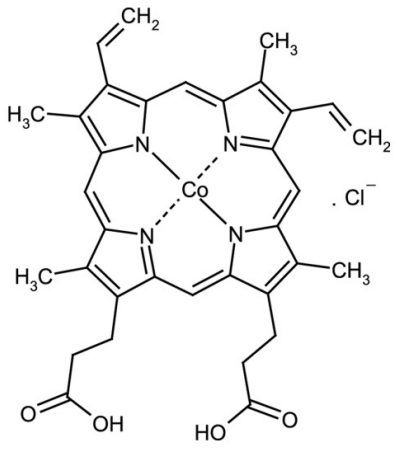
The ability of cobalt ions to induce heme oxygenase (HO) activity in liver cells was first reported almost 30 years ago. Cobalt protoporphyrin IX (CoPP) was later shown to be a substrate for HO, now identified as the inducible isoform HO-1 (heast shock protein 32; hsp32). CoPP has been shown to down-regulate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

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Ordering Information Order Online »

ALX-430-076-M025	25mg

Manuals, SDS & CofA View Online »


CH2
CH3
H3C
N
N
CH2
Co
. Cl−
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.

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