

Product Information

Product ID X1854
CAS No. 85539-83-9
Chemical Name 1,4-Phenylenebis(methylene)selenocyanate

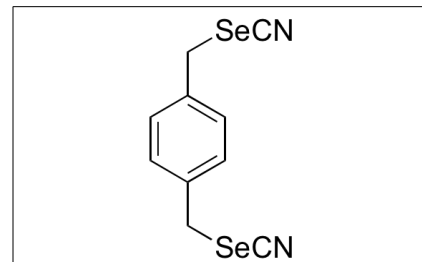
Synonym p-XSC

Formula C₁₀H₈N₂Se₂
Formula Wt. 314.10
Melting Point 156 °C
Purity ≥99%
Solubility Soluble in DMSO (>10 mg/mL). Insoluble in water.

Store Temp 4 °C

Ship Temp Ambient

Description p-Xyleneselenocyanate is a synthetic derivative of selenocyanate. Derivatives of selenocyanate exhibit antioxidative, anticancer, and anti-parasitic activities.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
X1854	100 mg	\$108.60
X1854	250 mg	\$216.90
X1854	500 mg	\$377.40

References Das JK, Sarkar S, Hossain SU, et al. Diphenylmethyl selenocyanate attenuates malachite green induced oxidative injury through antioxidation & inhibition of DNA damage in mice. *Indian J Med Res.* 2013 Jun;137(6):1163-73. PMID: 23852297.

Facompre ND, Sinha I, El-Bayoumy K, et al. Remarkable inhibition of mTOR signaling by the combination of rapamycin and 1,4-phenylenebis(methylene)selenocyanate in human prostate cancer cells. *Int J Cancer.* 2012 Nov 1;131(9):2134-42. PMID: 22307455.

Plano D, Baquedano Y, Moreno-Mateos D, et al. Selenocyanates and diselenides: a new class of potent antileishmanial agents. *Eur J Med Chem.* 2011 Aug;46(8):3315-23. PMID: 21571403.

Poerschke RL, Moos PJ. Thioredoxin reductase 1 knockdown enhances selenazolidine cytotoxicity in human lung cancer cells via mitochondrial dysfunction. *Biochem Pharmacol.* 2011 Jan 15;81(2):211-221. PMID: 20920480.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.