

---

**Product Data Sheet**

---

Product Name: PAO-Nap

Cat. No.: GC61552

**Chemical Properties**

Cas. No. 1613402-20-2

SMILES O[As]  
(C1=CC=C(NC(CCCCCN(C(C2=CC=C(N)C3=CC=CC4=C23)=O)C4=O)=O)C=C1)OFormula C<sub>24</sub>H<sub>24</sub>AsN<sub>3</sub>O<sub>5</sub> M.Wt 509.39

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

PAO-Nap is the modified PAO attached a naphthalimide fluorophore using aminocaproic acid as a linker. PAO induces oxidative stress-mediated apoptosis in HL-60 cells by selectively targeting thioredoxin reductase[1].

PAO exhibits IC<sub>50</sub> values of 6.2 μM, 9.4 μM, 7.7 μM in HL-60, 7721 and Hela cells (48 h)[1].

[1]. Yaping Liu, et al. Dithiaarsanes induce oxidative stress-mediated apoptosis in HL-60 cells by selectively targeting thioredoxin reductase. J Med Chem. 2014 Jun 26;57(12):5203-11.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA