

**PRODUCT: PX-478 hydrochloride**

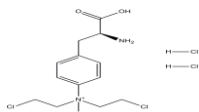
**ALTERNATE NAME:** (S)-4-(2-amino-2-carboxyethyl)-N,N-bis(2-chloroethyl)aniline oxide dihydrochloride

**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans**

**CATALOG #:** B1033-5, 25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>13</sub>H<sub>20</sub>Cl<sub>4</sub>N<sub>2</sub>O<sub>3</sub>

**MOLECULAR WEIGHT:** 394.11

**CAS NUMBER:** 685898-44-6

**APPEARANCE:** Brown solid

**SOLUBILITY:** H<sub>2</sub>O (>5 mg/ml)

**PURITY:** ≥98% by HPLC

**STORAGE:** Store at -20°C. Protect from air and moisture

**DESCRIPTION:** PX-478 hydrochloride is an inhibitor of HIF-1α (IC<sub>50</sub> of 20-30 μM) with potential antineoplastic activity. PX-478 inhibits HIF-1α protein levels and transactivation in a variety of cancer cell lines. The inhibitory effect of PX-478 on HIF-1α levels is primarily due to its inhibition of translation because HIF-1α translation continues in hypoxia when translation of most proteins is decreased.

**REFERENCES:** Koh, M.Y., *et al.* (2008). *Mol. Cancer Ther.* **7**, 90-100.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

Chetomin (**Cat. No. 2180**)

Emetine dihydrochloride (**1970**)

KC7F2 (**9641**)

PX 12 (**Cat. No. 2217**)