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## PX-12

产品编号: D60674

CAS: 141400-58-0

分子式: C<sub>7</sub>H<sub>12</sub>N<sub>2</sub>S<sub>2</sub>

纯度: 99%

InChi Key: InChIKey=BPBPYQWMFCTCNG-UHFFFAOYSA-N

Smiles: CCC(C)SSc1ncc[nH]1

外观: 固体粉末

作用通路: Metabolism

作用靶点: Thioredoxin

溶解性: Soluble in DMSO、Ethanol

保存条件: -20°C

产品介绍: PX-12 (1-methylpropyl 2-imidazolyl disulfide) is a small-molecule inhibitor of Trx-1 (thioredoxin-1), stimulates apoptosis, down-regulates HIF-1 $\alpha$  and vascular endothelial growth factor (VEGF) and inhibits tumor growth in animal models. Since high levels of Trx-1 have been associated with colorectal, gastric and lung cancers, PX-12 is indicated as a potential cancer treatment in combination with chemotherapy for patients with advanced metastatic cancer. Initial trials correlated doses of Px-12 with increased patient survival.