
2,3-DCPE hydrochloride

产品编号: D50449

CAS: 418788-90-6

保存条件: Store at -20°C.

产品介绍: CAS号: 418788-90-6

分子式: C₁₁H₁₅Cl₂NO₂.HCl

分子量: 300.61

纯度: 99%(HPLC)

熔点: 139-142°C

沸点: 429.8°C at 760 mmHg

溶解性: Soluble in water (>25 mg/ml), ethanol (~20 mg/ml), DMSO (~20 mg/ml), DMF (~20 mg/ml), and PBS (pH7.2) (~10 mg/ml).

产品描述: 2,3 DCPE displays anticancer agent properties and induces ERK activation. Causes apoptosis in many tumor cell lines and is known to specifically cleave caspase-8, caspase-3, caspase-9, and poly(ADP-ribose) polymerase in cancer cells, but not in human fibroblasts. Shown to reduce the protein level of Bcl-XL. Triggered cell death in OAW42-R ovarian carcinoma cells with inhibition of Bcl-2 expression and increased cytotoxic effect of cisplatin in OAW42-R resistant cells. 2,3-DCPE reported to induce S-phase arrest and upregulate p21.

IC₅₀: LoVo colon cancer cell line: IC₅₀ = 0.89 μM (human); normal fibroblasts: IC₅₀ = 12.6 μM (human)

用途: A compound that induces both upregulation and S-phase arrest in p21.