

## Product Information

### ERK inhibitor AG-126, Purity ≥98%

**Cat. No.:** X23-10-ZQ879

**Size:** 5 mg; 10 mg; 25 mg; 50 mg; 100 mg

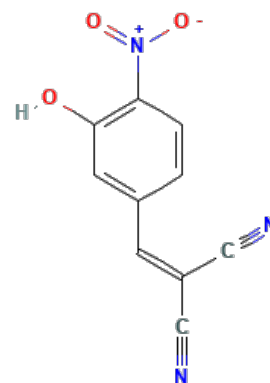
**MDL:** MFCD00236448

**CAS Number:** 118409-62-4

**Compound CID:** 2046

**Synonym:** 118409-62-4; Tyrphostin AG 126; AG-126; AG 126; ag126; Tyrphostin AG126; alpha-Cyano-(3-hydroxy-4-nitro)cinnamionitrile; ERK inhibitor

**This product is for research use only and is not intended for diagnostic use.**



#### Product Information

<b>Description</b>	AG-126, soluble in DMSO and ethanol and insoluble in water, exhibits potent inhibition of ERK kinase.
<b>Molecular Weight</b>	215.2
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>5</sub> N <sub>3</sub> O <sub>3</sub>
<b>IUPAC Name</b>	2-[(3-Hydroxy-4-nitrophenyl)methylidene]propanedinitrile
<b>InChI</b>	InChI=1S/C10H5N3O3/c11-5-8(6-12)3-7-1-2-9(13(15)16)10(14)4-7/h1-4,14H
<b>InChI Key</b>	DUQADSPERJRQBW-UHFFFAOYSA-N
<b>Canonical SMILES</b>	C1=CC(=C(C=C1C=C(C#N)C#N)O)[N+](=O)[O-]
<b>Form</b>	Lyophilized powder
<b>Purity</b>	≥98%
<b>Solubility</b>	DMSO: 37 mg/mL (171.96 mM); Water: Insoluble; Ethanol: 2 mg/mL (9.29 mM)
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
<b>Applications</b>	AG-126 can be utilized in cell signaling research to inhibit ERK1/2 activity and study its effects.
<b>Storage</b>	Store at -20°C.