

## Product Information

### Alibendol, Purity $\geq 98\%$

**Cat. No.:** X24-09-YM1116

**Size:** 100 mg; 200 mg; 500 mg; 1 g

**MDL:** MFCD00865165

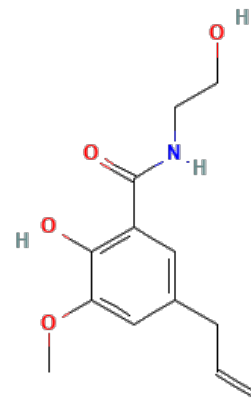
**CAS Number:** 26750-81-2

**Compound CID:** 71916

**Synonym:** 26750-81-2; DB-017556; FT-0630526; NS00028185; SW219612-1;

2-Hydroxy-*N*-(2-hydroxyethyl)-3-methoxy-5-prop-2-enylbenzamide

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



### Product Information

<b>Description</b>	Alibendol, soluble in DMSO and ethanol and insoluble in water, is an anti-inflammatory and anti-allergic compound. The molecular weight of the compound is 251.28, and its molecular formula is $C_{13}H_{17}NO_4$ .
<b>Molecular Weight</b>	251.28
<b>Molecular Formula</b>	$C_{13}H_{17}NO_4$
<b>IUPAC Name</b>	2-Hydroxy- <i>N</i> -(2-hydroxyethyl)-3-methoxy-5-prop-2-enylbenzamide
<b>InChI</b>	InChI=1S/C13H17NO4/c1-3-4-9-7-10(13(17)14-5-6-15)12(16)11(8-9)18-2/h3,7-8,15-16H,1,4-6H2,2H3,(H,14,17)
<b>InChI Key</b>	UMJHTFHIQDEGKB-UHFFFAOYSA-N
<b>Canonical SMILES</b>	<chem>COC1=CC(=CC(=C1O)C(=O)NCCO)CC=C</chem>
<b>Form</b>	Lyophilized powder
<b>Purity</b>	$\geq 98\%$
<b>Impurities</b>	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
<b>Solubility</b>	<i>In vitro</i> : DMSO: 43 mg/mL (171.12 mM); Water: insoluble; Ethanol: 43 mg/mL (171.12 mM)
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	In its lyophilized form, the chemical remains stable for 36 months.
<b>Quality Level</b>	Research grade
<b>Applications</b>	Alibendol plays a key role in inhibiting the growth of protozoa and interfering with their metabolic processes, thereby suppressing inflammation and enhancing the healing process of intestinal mucosa.



**Storage**

Store at -20°C, and keep desiccated.

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