

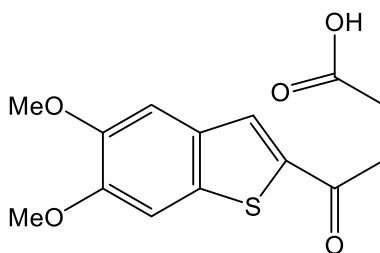


Northeast Business Center

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## Certificate of Analysis



<b>Product Name:</b>	<b>MSA-2</b>
<b>Synonym:</b>	NA
<b>CAS No:</b>	129425-81-6
<b>Prod. No:</b>	CT-MSA2
<b>Lot No:</b>	01
<b>Batch Empirical Formula Batch Empirical Wt.</b>	C <sub>14</sub> H <sub>14</sub> O <sub>5</sub> S · 1/2H <sub>2</sub> O 303.3
<b>Solubility</b>	Soluble in DMSO (>60.6mg/ml, >200mM) in Ethanol (>30.3mg/ml, >100mM)
<b>Storage</b>	Store at 0-4 °C (short term), -20 °C (long term), desiccated

<b>Appearance</b>	Yellow powder
<b>Quality Control</b>	HPLC: [✓] <sup>1</sup> H-NMR: [✓] Quantitative Elemental Analysis [✓]: C <sub>14</sub> H <sub>14</sub> O <sub>5</sub> S · 1/2H <sub>2</sub> O Calculated: C: 55.43% H: 4.98% Found: C: 55.71% H: 4.96%
<b>Chemical Purity</b>	>98% (HPLC)