

# Chem-Impex International, Inc.

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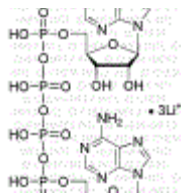
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825 Dillon Drive

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## Product Specifications

Catalogue Number	00111
Product	<b>P<sup>1</sup>,P<sup>5</sup>-Di(adenosine-5')pentaphosphate</b> Ap <sub>5</sub> A
CAS Number	75522-97-3
Molecular Formula	C <sub>20</sub> H <sub>26</sub> N <sub>10</sub> O <sub>22</sub> P <sub>5</sub> Li <sub>3</sub>
Molecular Weight	934.2

Appearance	Almost white to slightly yellowish lyophilisate
Solubility	Clear, colorless to slightly yellowish solution (C=10 mg/mL in H <sub>2</sub> O)
Water Content (Karl Fisher)	≤ 5%
TLC System	KH <sub>2</sub> PO <sub>4</sub> (0.75 mol/L) on PEI-cellulose
UV Ratios	abs. max at 260 nm, E = 26.4 (1 x mmol <sup>-1</sup> x cm <sup>-1</sup> ) A <sub>250</sub> /A <sub>260</sub> : 0.75 - 0.83 A <sub>280</sub> /A <sub>260</sub> : 0.18 - 0.24 A <sub>290</sub> /A <sub>260</sub> : 0.00 - 0.04
Assay	Assay Ap <sub>5</sub> A Li <sub>3</sub> (from Porg) : ≥ 91% Assay Ap <sub>5</sub> A (spectrophotometry) : ≥ 90% Assay Ap <sub>5</sub> A (from Porg) : ≥ 90% Porg (Ptotal-Pinorg) : ≥ 15.2% Pinorg : ≤ 1.5% Li content (Flame photom) : 1.8 - 2.4%
Purity by HPLC	≥ 97%
Purity by TLC	Homogeneous, corresponds to standard
Storage	Store at 0 - 8 °C

**For Laboratory Use Only**