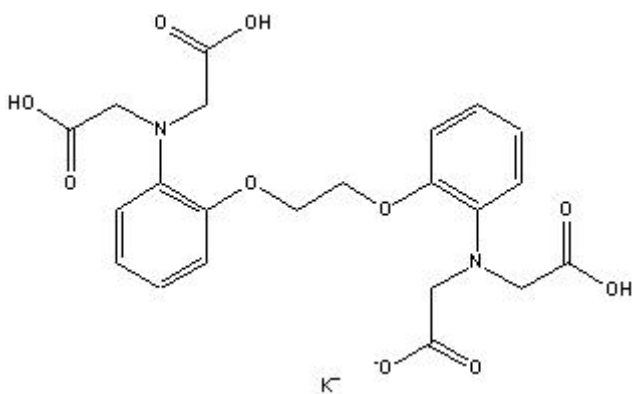


## TECHNICAL INFORMATION

Catalog Number: 150467

**1,2-bis(o-Aminophenoxy)ethane-N,N,N',N'-tetraacetic acid, Potassium Salt**

### Structure:



**Molecular Formula:** C<sub>22</sub>H<sub>20</sub>N<sub>2</sub>O<sub>10</sub>K<sub>4</sub>

**Molecular Weight:** 628.8

**CAS #** 73630-08-7

**Synonyms:** BAPTA; N,N'-(1,2-Ethanediybis(oxy-2,1-phenylene)) bis(N-(carboxymethyl))- glycine, tetrapotassium salt

**Physical Description:** White to off-white powder

**Solubility:** Soluble in water (50 mg/ml - clear, colorless to faint yellow solution)

**Description:** Cell impermeant. Useful as chelating agent for calcium in cell biological studies; more selective for Ca<sup>2+</sup> than EDTA and EGTA, and their metal binding is also much less pH sensitive. Highly selective for Ca<sup>2+</sup> over Mg<sup>2+</sup> and can be used to control the level of both intracellular and extracellular Ca<sup>2+</sup>. BAPTA binds and releases Ca<sup>2+</sup> ions about 50-400 times faster than EGTA.

### References:

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