

## Product Information

**Name: BAPTA, tetrapotassium salt**

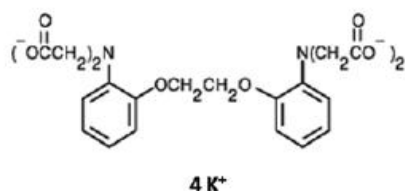
Catalog: B3003

Size: 200 mg

Application: Ca<sup>2+</sup> Chelator

### Parameters

- White solid soluble in water
- C<sub>23</sub>H<sub>24</sub>K<sub>4</sub>N<sub>2</sub>O<sub>10</sub>
- MW: 656.85
- [73630-08-7]
- Structural formula



### Storage

Store at 4°C for at least 1 year.

### Description

BAPTA and its derivatives are calcium ion chelators that are commonly used to form stable calcium buffers, which are more selective for calcium ions than EDTA and EGTA. By injecting or incubating cells with the chelators to control the cytosolic calcium concentration, an important means to study the roles of calcium. The advantages of these calcium chelators include relative insensitivity toward intracellular pH change and fast release of calcium.

### Notes

1. The recommended storage concentration of the product is 10 μM and it is soluble in Ca<sup>2+</sup> free buffer.
2. The factors influencing the efficacy of the product mainly include temperature, ionic strength, viscosity, protein binding, Mg<sup>2+</sup>, etc.

### Related Products

Catalog	Product Name
B3007-100mg	BAPTA, tetrapotassium salt
B3012-25mg	BAPTA, AM
B3004-200mg	BAPTA, tetrasodium salt
D3008-20mg	5,5'-Dibromo BAPTA, tetrapotassium salt
D3010-5mg	5,5'-Dimethyl BAPTA, tetrapotassium salt
D3011-5mg	5,5'-Dimethyl BAPTA, tetrasodium salt
F3005-1mg	Fluo-3, AM ester
M3001-1mg	Furaptra (Mag-Fura-2), tetrasodium salt
M3009-1mg	Furaptra (Mag-Fura-2), tetrapotassium salt

