

Product datasheet

BAPTA, extracellular calcium chelator ab144924

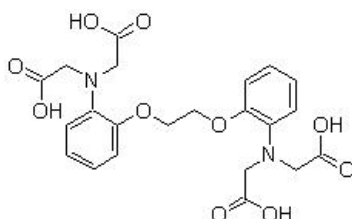
2 References

Overview

<b>Product name</b>	BAPTA, extracellular calcium chelator
<b>Description</b>	Selective, membrane impermeable extracellular calcium chelator
<b>Biological description</b>	Selective, membrane impermeable extracellular calcium chelator. Binds Ca <sup>2+</sup> ions in a 2:1 ratio. Shows 105-fold greater affinity for Ca <sup>2+</sup> than Mg <sup>2+</sup> . BAPTA-AM ( <a href="#">ab120503</a> ) and BAPTA sodium salt ( <a href="#">ab120449</a> ) analog.

**CAS Number** 85233-19-8

**Chemical structure**



Properties

<b>Chemical name</b>	2-[2-[2-[2-[Bis(carboxymethyl)amino]phenoxy]ethoxy]-N-(carboxymethyl)anilino]acetic acid
<b>Molecular weight</b>	476.43
<b>Molecular formula</b>	C <sub>22</sub> H <sub>24</sub> N <sub>2</sub> O <sub>10</sub>
<b>PubChem identifier</b>	104751
<b>Storage instructions</b>	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in DMSO to 25 mM
<b>Handling</b>	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.  Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.
<b>SMILES</b>	C1=CC=C(C(=C1)N(CC(=O)O)CC(=O)O)OCCOC2=CC=CC=C2N(CC(=O)O)CC(=O)O

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