

## Product datasheet

# Rhodadyn™ C10, cell-permeable dynamin I inhibitor ab120795

1 Image

### Overview

<b>Product name</b>	Rhodadyn™ C10, cell-permeable dynamin I inhibitor
<b>Description</b>	Highly potent cell-permeable dynamin I inhibitor
<b>Biological description</b>	Highly potent cell-permeable dynamin I GTPase activity inhibitor (IC <sub>50</sub> values are 7.1 and 30.3 μM at dynamin I and dynamin II, respectively). Blocks clathrin-mediated endocytosis of transferrin when applied for 30 minutes to U2OS cells in culture (IC <sub>50</sub> = 7.0 μM). Rhodadyn™ B10 negative control also available ( <a href="#">ab120796</a> ).

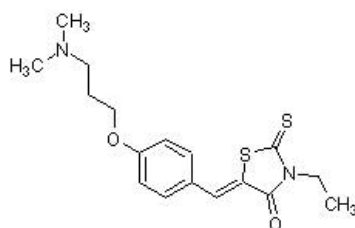
Robertson J *et al.* The rhodadyn™ a new class of small molecule inhibitors of dynamin GTPase. ACS Med. Chem (2012).

**Purity** > 98%

**General notes** Sold under exclusive licence from Children's Medical Research Institute and Newcastle Innovations Ltd. Rhodadyn™ is a trademark of Children's Medical Research Institute and Newcastle Innovation Ltd.

**CAS Number** 1367579-04-1

**Chemical structure**



### Properties

<b>Chemical name</b>	(5Z)-5-[4-[3-(Dimethylamino)propoxy]benzylidene]-3-ethyl-2-thioxo-1,3-thiazolidin-4-one
<b>Molecular weight</b>	350.49
<b>Molecular formula</b>	C <sub>17</sub> H <sub>22</sub> N <sub>2</sub> O <sub>2</sub> S <sub>2</sub>
<b>Storage instructions</b>	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in DMSO to 100 mM

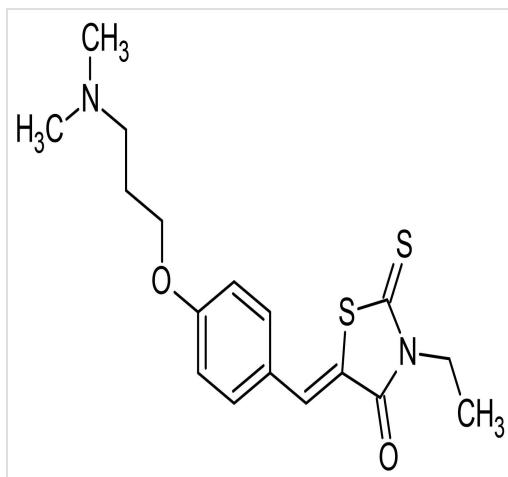
**Handling**

Unstable; make up solutions fresh and use immediately.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

**Source**

Synthetic

**Images**

2D chemical structure image of ab120795, Rhodadyntrade C10, cell-permeable dynamin I inhibitor

Chemical Structure - Rhodadyn™ C10, cell-permeable dynamin I inhibitor (ab120795)

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