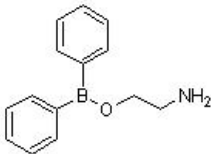


### 2-APB, Ca<sup>2+</sup> release modulator ab120124

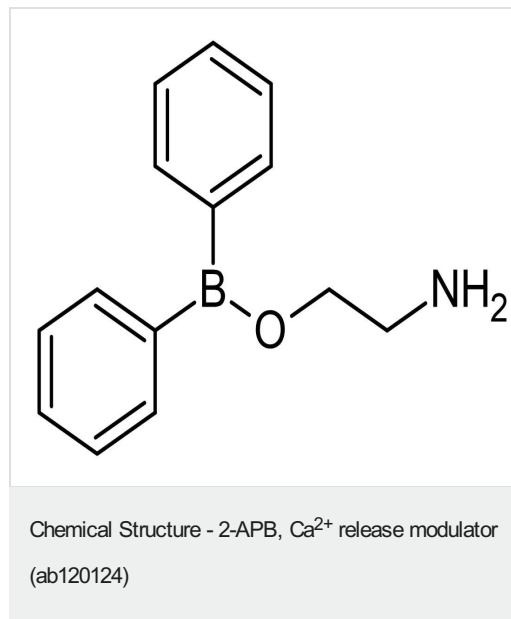
[19 References](#) [2 图像](#)

#### 概述

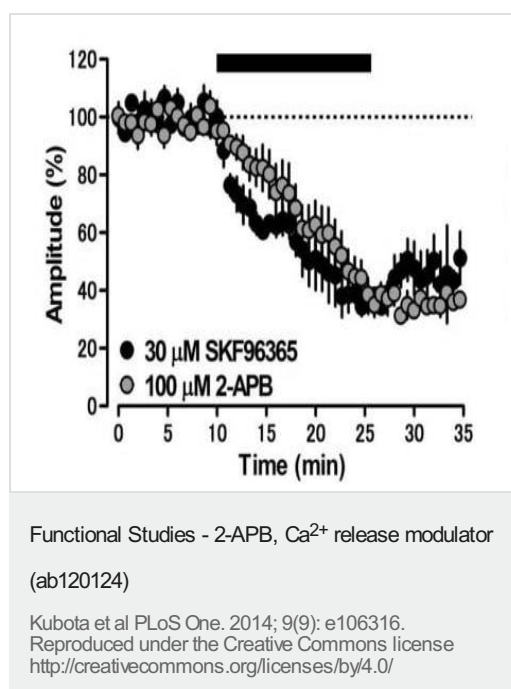
产品名称	2-APB, Ca <sup>2+</sup> release modulator
描述	Ca <sup>2+</sup> release modulator
生物学描述	Cell-permeable, allosteric inhibitor of D- <i>myo</i> -inositol 1,4,5-trisphosphate (IP3) -induced Ca <sup>2+</sup> release . Inhibits IP3-induced Ca <sup>2+</sup> release without affecting IP3 receptor binding. Blocks store operated Ca <sup>2+</sup> entry.
CAS编号	524-95-8
化学结构	

#### 性能

化学名称	2-Aminoethyl diphenylborinate
分子量	225.10
分子式	C <sub>14</sub> H <sub>16</sub> BNO
PubChem识别号	1598
存放说明	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解度概述	Soluble in DMSO to 100 mM and in ethanol to 10 mM
处理	<p>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.</p> <p>Refer to SDS for further information</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>
SMILES	NCCOB(c1ccccc1)c2ccccc2



2D chemical structure image of ab120124, 2-APB,  $\text{Ca}^{2+}$  release modulator



**Induction of mGluR1-mediated inward current requires activation of TRPC1 but not TRPC3 in MLIs.**

Time courses of the effects of SKF96365 (black circles, 30  $\mu\text{M}$ ,  $n=4$ ) and 2-APB (gray circles, 100  $\mu\text{M}$ ,  $n=5$ ) on the DHPG-induced inward current. A black bar indicates the time of drug application.

(From Figure 2 B of Kubota et al).

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