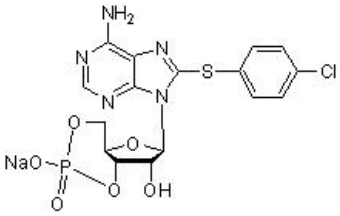
abcam

Product datasheet

8-(4-Chlorophenylthio)adenosine 3',5'-cyclic monophosphate (8-CPT-cAMP), Cell permeable cAMP analog. ab120424

5 References 2 图像

概述

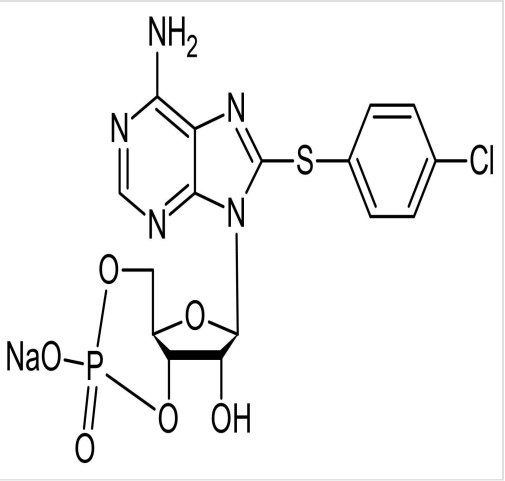
产品名称	8-(4-Chlorophenylthio)adenosine 3',5'-cyclic monophosphate (8-CPT-cAMP), Cell permeable cAMP analog.
描述	Cell permeable cAMP analog,蛋白kinase modulator
CAS编号	93882-12-3
化学结构	

性能

化学名称	8-(4-Chlorophenylthio)-adenosine-3',5'-cyclic monophosphate sodium salt
分子量	493.79
分子式	$C_{16}H_{14}ClN_5NaO_6PS$
PubChem识别号	23672705
存放说明	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解度概述	Soluble in water to 50 mM
处理	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 **frequently asked questions (FAQ) page** for more details.
SMILES	C1[C@@H]2[C@H]([C@H]([C@@H](O2)N3C4=NC=NC(=C4N=C3SC5=CC=C(C=C5)Cl)N)O)OP(=O)(O1)[O-].[Na+]

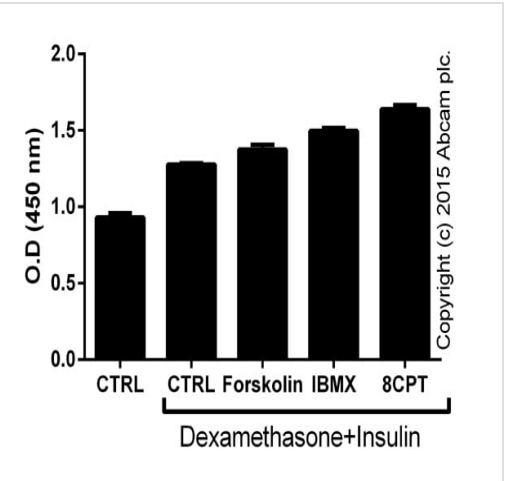
来源 Synthetic

图片



Chemical Structure - 8-(4-Chlorophenylthio)adenosine 3',5'-cyclic monophosphate (8-CPT-cAMP), Cell permeable cAMP analog. (ab120424)

2D chemical structure image of ab120424, 8-(4-Chlorophenylthio)adenosine 3',5'-cyclic monophosphate (8-CPT-cAMP), Cell permeable cAMP analog.



Functional Studies - 8-(4-Chlorophenylthio)adenosine 3',5'-cyclic monophosphate (8-CPT-cAMP), Cell permeable cAMP analog. (ab120424)

1e7 3T3-L1 cells were treated for 15 minutes with 1 µM dexamethasone (**ab120743**) and 1 µg x mL-1 insulin (**ab123768**) with the addition of 50 µM forskolin (**ab120058**), 0.5 mM IBMX (**ab120840**) or 0.1 mM 8-CPT-cAMP (ab120424), extracted according to the protocol. Lysates were diluted 50-fold, and tested in duplicates (+/-SD).

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