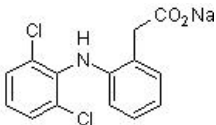


# Diclofenac sodium salt, cyclo-oxygenase inhibitor ab120621

[1 References](#) [2 图像](#)

## 概述

产品名称	Diclofenac sodium salt, cyclo-oxygenase抑制剂
描述	Potent cyclo-oxygenase抑制剂
生物学描述	Potent non-selective COX inhibitor (IC <sub>50</sub> values are 75 and 29 nM at COX-1 and COX-2, respectively). Potent inhibitor of phospholipase A <sub>2</sub> <i>in vitro</i> and <i>in vivo</i> . Activates the nitric oxide-cyclic GMP-potassium channel pathway. Shows anti-inflammatory, antipyretic and analgesic effects.
CAS编号	15307-79-6
化学结构	

## 性能

化学名称	2-[(2,6-Dichlorophenyl)amino]benzeneacetic acid sodium salt
分子量	318.13
分子式	C <sub>14</sub> H <sub>10</sub> Cl <sub>2</sub> NNaO <sub>2</sub>
存放说明	Store at Room Temperature. 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 (at room temperature) and in water to 100 mM (with warming)
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>Toxic, 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>
来源	Synthetic

## 应用

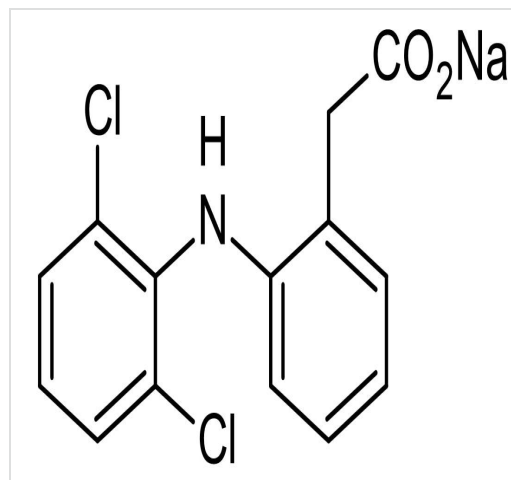
### The Abpromise guarantee

**Abpromise™** 承诺保证使用 ab120621 于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

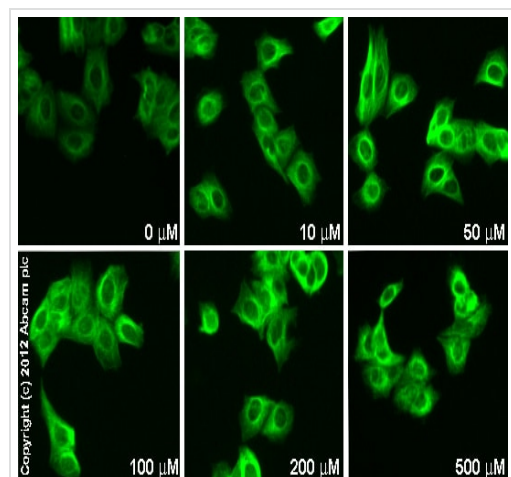
应用	Ab 评论	说明
Functional Studies		Use at an assay dependent concentration.

## 图片



2D chemical structure image of ab120621, Diclofenac sodium salt, cyclo-oxygenase inhibitor

Chemical Structure - Diclofenac sodium salt, cyclo-oxygenase inhibitor (ab120621)



Immunocytochemistry/ Immunofluorescence -  
Diclofenac sodium salt, cyclo-oxygenase inhibitor  
(ab120621)

**ab96732** staining Prostaglandin dehydrogenase 1 in MCF7 cells treated with diclofenac sodium salt (ab120621), by ICC/IF. Increase in Prostaglandin dehydrogenase 1 expression correlates with increased concentration of diclofenac sodium salt as described in literature.

The cells were incubated at 37°C for 6h in media containing different concentrations of ab120621 (diclofenac sodium salt) in DMSO, fixed with 4% formaldehyde for 10 minutes at room temperature and blocked with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% tween for 2h at room temperature. Staining of the treated cells with **ab96732** (1 μg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 goat anti-rabbit polyclonal antibody (**ab96899**) at 1/250 dilution was used as the secondary antibody.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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