

Product datasheet

TRAP-6, PAR₁ agonist ab120801

1 Image

Overview

Product name	TRAP-6, PAR ₁ agonist
Description	PAR ₁ agonist
Biological description	Peptide fragment (residues 42 - 47) of protease-activated receptor 1. PAR ₁ hexapeptide agonist. Stimulates transient mobilization of free intracellular calcium, platelet aggregation (EC ₅₀ = 0.8μM) and rapidly phosphorylates PDE3A.
Purity	> 95%
CAS Number	141136-83-6
Chemical structure	Ser-Phe-Leu-Leu-Arg-Asn

Properties

Molecular weight	748.88
Molecular formula	C ₃₄ H ₅₆ N ₁₀ O ₉
Sequence	SFLLRN
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in water to 1 mg/ml
Handling	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 week. 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.
Source	Synthetic

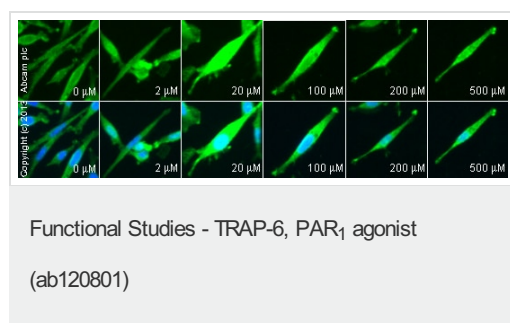
Applications

Our [Abpromise guarantee](#) covers the use of **ab120801** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Functional Studies		Use at an assay dependent concentration.

Images



[ab6672](#) staining IL6 in serum starved PC3 cells treated with TRAP-6 (ab120801), by ICC/IF. Increase in expression of IL6 correlates with increased concentration of TRAP-6, as described in literature. The cells were incubated at 37°C for 6h in media containing different concentrations of ab120801 (TRAP-6) 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 [ab6672](#) (1/500 dilution) 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. Nuclei were counterstained with DAPI and are shown in blue.

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

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