

Product datasheet

AC 55541, protease-activated receptor 2 (PAR2) agonist ab218603

Overview

Product name	AC 55541, protease-activated receptor 2 (PAR2) agonist
Description	Potent, selective protease-activated receptor 2 (PAR ₂) agonist
Biological description	Potent, selective protease-activated receptor 2 (PAR ₂) agonist that displays no activity at other PAR subtypes or at over 30 other receptors involved in nociception and inflammation. Stimulates cell proliferation, PI hydrolysis and Ca ²⁺ mobilization <i>in vitro</i> (pEC ₅₀ values are 6.7, 5.9 and 6.6 respectively) and exhibits pronociceptive activity <i>in vivo</i> .
Purity	> 98%
General notes	This product is manufactured by BioVision, an Abcam company and was previously called 9412 AC-55541. 9412-25 is the same size as the 25 mg size of ab218603.
CAS Number	916170-19-9
Chemical structure	



Properties

Chemical name	(2E)-2-[1-(3-Bromophenyl)ethylidene] α-(benzoylamino)-3,4-dihydro-4-oxo-1-phthalazineacetic acid hydrazide
Molecular weight	518.36
Molecular formula	C ₂₅ H ₂₀ BrN ₅ O ₃
PubChem identifier	9589606
Storage instructions	Shipped at 4°C. Store at -20°C. Store In the Dark. Store under desiccating conditions.
Solubility overview	Soluble in DMSO to 50 mM
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 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

C/C(=NNC(=O)C(C1=NNC(=O)C2=CC=CC=C21)NC(=O)C3=CC=CC=C3)/C4=CC(=CC=C4)Br

Source

Synthetic

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

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- Replacement or refund for products not performing as stated on the datasheet
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If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors
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