Product Datasheet

TC-FPR 43

Catalog No. **BP-02245** · CAS **903895-98-7** · Form **free base** · Physical state **other** · Color **white to light yellow** · Version **1.0** · Revision **2026-09-03**

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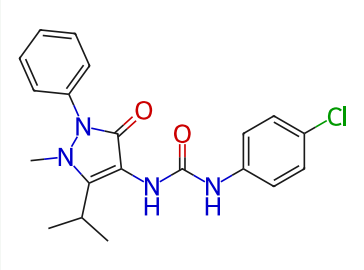
Target	Research area
Formyl Peptide Receptor (FPR)	**Inflammation/Immunology**

Molecular formula	$C_{20}H_{21}ClN_4O_2$
Molecular weight	**384.8590**

STRUCTURE



DESCRIPTION

FPR Agonist 43 (compound 43) is a dual formyl peptide receptor 1 (FPR1) and formyl peptide receptor 2 (FPR2)/ALX agonist.

BIOLOGICAL ACTIVITY

In Vitro

FPR Agonist 43 (10-5-107 nM) is actively potent in the cAMP assay in FPR2/ALX over-expressing CHO cells.

FPR Agonist 43 is also active in the GTPγ binding assay (IC50=207±51 nM).

FPR1 is the preferred receptor for FPR Agonist 43 in in both human neutrophils and possibly also in mouse cells.

SOLUBILITY

Soluble in DMSO : 37.5 mg/mL

H2O : < 0.1 mg/mL

In vitro	Soluble in DMSO : 37.5 mg/mL H2O : < 0.1 mg/mL

REFERENCES

[1]. Planagumà A, et al. Lack of activity of 15-epi-lipoxin A₄ on FPR2/ALX and CysLT1 receptors in interleukin-8-driven human neutrophil function. Clin Exp Immunol. 2013 Aug;173(2):298-309.

[2]. Forsman H, et al. What formyl peptide receptors, if any, are triggered by compound 43 and lipoxin A4? Scand J Immunol. 2011 Sep;74(3):227-234.