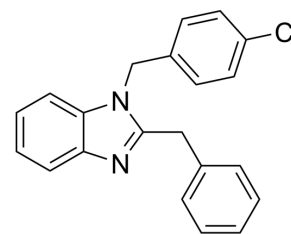


## Q94 hydrochloride

Cat. No.:	HY-108554
CAS No.:	1052076-77-3
Molecular Formula:	C <sub>21</sub> H <sub>18</sub> Cl <sub>2</sub> N <sub>2</sub>
Molecular Weight:	369.29
Target:	Protease Activated Receptor (PAR)
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



HCl

### BIOLOGICAL ACTIVITY

Description	Q94 hydrochloride, a selective PAR <sub>1</sub> antagonist (IC <sub>50</sub> =916 nM), can selectively block PAR <sub>1</sub> /Gαq interaction and signalling. Q94 hydrochloride blocks PAR <sub>1</sub> -mediated increases in both CCL2 mRNA and protein levels in a dose-dependent manner. Q94 hydrochloride also completely blocks thrombin-induced ERK1/2 and MLC phosphorylation <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 916 nM (PAR <sub>1</sub> ) <sup>[1]</sup> .

### REFERENCES

[1]. Deng X, et al. Thrombin induces fibroblast CCL2/JE production and release via coupling of PAR1 to Galphaq and cooperation between ERK1/2 and Rho kinase signaling pathways. Mol Biol Cell. 2008 Jun;19(6):2520-33.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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