**IUPHAR/BPS Guide to PHARMACOLOGY**

Expert-driven curation of pharmacological targets and the substances that act on them

*Now the home of IUPHAR-DB*

www.guidetopharmacology.org

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### THERAPEUTIC & RESEARCH TARGETS
- G protein-coupled receptors (GPCRs)
- Ion channels
- Nuclear hormone receptors
- Catalytic receptors
- Kinases
- Proteases
- Other enzymes
- Transporters
- Other protein targets

### ENDOGENOUS & EXPERIMENTAL LIGANDS
- Approved drugs
- Synthetic organics
- Metabolites
- Natural products
- Endogenous peptides
- Other peptides
- Inorganics
- Antibodies
- Labelled ligands

### EXPERT SUMMARIES FOR TARGET FAMILIES
- Nomenclature, key ligands, further reading

### DETAILED ANNOTATION FOR IMPORTANT TARGETS
- Function, (patho)physiology, pharmacology

### CURATED INFORMATION ON APPROVED DRUGS AND THEIR HUMAN TARGETS
- Clinical status, mechanism of action, K/IC₅₀

### TARGET SEARCH TOOLS
- Search for targets by name or keyword
- Search by identifier
- Search by PubMed Id or author

### LIGAND SEARCH TOOLS
- Search for ligands by name
- Search by identifier
- Search by chemical structure

### CONCISE GUIDE TO PHARMACOLOGY
- A publication snapshot created from the database summary pages
- At-a-glance view of target properties
- Provides a citable record

### WEBSITE FEATURES
- Links to other databases
- Download data sets
- Tutorial and help pages
- News, hot topics, latest receptor-ligand pairings
- NC-IUPHAR nomenclature guidelines
- Newsletter and monthly updates

### DATABASE TEAM
- Overseen by NC-IUPHAR* and its 90 subcommittees

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### FUNDING & ACKNOWLEDGEMENTS
We especially thank all contributors, collaborators and NC-IUPHAR members

### REFERENCES