

Selective CB2R photoaffinity probe (LEI-121) small molecule (tool compound)

Catalogue number: 156467

Sub-type: Fluorescent Probe

Images:

Contributor

Inventor:

Institute: Leiden University and Leiden University Medical Center

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Selective CB2R photoaffinity probe (LEI-121) small molecule (tool compound)

Alternate name:

Class:

Conjugate:

Description: Photoreactive probe to study the type 2 cannabinoid receptor (CB2R). LEI121 is the first CB2R-selective bifunctional probe that covalently captures CB2R upon photoactivation. An incorporated alkyne serves as ligation handle for the introduction of reporter groups.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes: Using proteomics, LEI-121 has shown to identify multidrug resistance protein 1, protein disulfide-isomerase, glutathione S-transferase Mu 6, 26S proteasome non-ATPase regulatory subunit 3 O and mitochondrial carnitine.acylcarnitine carrier protein.

Target details

Target:

Target alternate names:

Target background:

Molecular weight: 657

Ic50:

Applications

Application: Enables target engagement studies and visualisation of endogenously expressed CB2R.

Application notes:

Handling

Format:

Concentration:

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions:

Shipping conditions:

Related tools

Related tools:

References

References: Wu et al. 2016. Mol Brain. 9:4. PMID: 26746198.

CancerTools.org