Water-soluble monovalent copper ligand-2 (MCL-2)

Catalogue number: 153937
Sub-type: Inhibitor
Images:

Contributor

Inventor: Christoph J. Fahrni
Institute: Georgia Institute Of Technology
Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Water-soluble monovalent copper ligand-2 (MCL-2)

Alternate name: MCL-2

Class:
Conjugate:
Description: Copper is an essential trace element that is central to a broad range of biological processes, including cellular respiration, connective tissue formation, pigment synthesis, antioxidant defense, and photosynthesis in plants and bacteria. The measurement of reliable Cu(I) protein binding affinities requires competing reference ligands with similar binding strengths; however, the literature on such reference ligands is not only sparse but often conflicting. To address this deficiency, Dr. Fahr...
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:

Target details

Target:

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application: determination of Cu(I) binding affinities of proteins and small-molecule ligands
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: Bagchi et al. 2013. J Am Chem Soc. 135(49):18549-59. PMID: 24298878. ; Robust affinity standards for Cu(I) biochemistry.