



DATA SHEET

Product overview

Name	CELT-150
Short description	Potent VHL E3 ligase fluorescent ligand
Biological description	CELT-150 is capable of binding VCB Protein Complex in a competition Fluorescence Polarization binding assay with a K_d is 96nM.
Biological action	Substrate recognition subunit ligand
Quantity	10 μ g
Purity	> 95%

Properties

Molecular Weight	1509.90
Source	Synthetic
Appearance	Blue solid
Formulation	Lyophilized solid
Excitation	646 nM
Emission	662 nM
Pharmacological validation	The affinity of CELT-150 for VHL was confirmed by a Fluorescent Polarization assay.

Validated Applications

TR-FRET assay	CELT-150 has been validated in a TR-FRET homogenous assay as fluorescent probe to study the affinity of a known inhibitor of E3 ubiquitin ligase VHL, VH298. VH298 displayed the expected potency in good correlation with the literature.
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Storing and Using product

Storage instructions	-20 °C (protect from light)
Solubility overview	Soluble in DMSO
Stock solution	Add 66 µL of assay buffer containing 2% of DMSO to obtain a 100 µM stock solution.
Handling	After thawing individual aliquots for use, we recommend briefly sonicating the sample to ensure it is fully dissolved and the solution is homogeneous. We do not recommend using the product after subjecting it to repetitive freeze-thaw cycles.
Shipping conditions	The product, as a solid, is stable at ambient temperature for periods of up to a few days and does not require shipping on ice/dry ice.
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.