



## DATA SHEET

### Product overview

Name	CELT-050 (cat n. VHL-646-1)
Short description	Potent VHL E3 ligase fluorescent ligand.
Biological description	CELT-050 is capable of binding VCB Protein Complex in a competition Fluorescence Polarization binding assay with a $K_d = 96$ nM.
Biological action	Substrate recognition subunit ligand.
Quantity	50 $\mu$ g
Purity	> 95%

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### Properties

Molecular Weight	1509.90
Source	Synthetic
Appearance	Blue solid
Formulation	Solid
Excitation	646 nM
Emission	662 nM
Pharmacological validation	The affinity of CELT-050 for VHL was confirmed by a Fluorescent Polarization assay.

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### Validated Applications

TR-FRET assay	CELT-050 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 33 µL of DMSO to obtain a 1 mM stock solution. We recommend not exceeding 2% of DMSO in the final assay 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.