

YK-5-252

## Chemical Properties

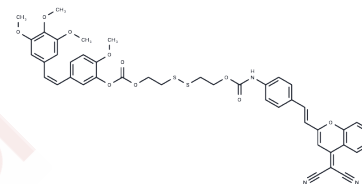
CAS No. :

Formula: C44H39N3O10S2

Molecular Weight: 833.93

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	YK-5-252 is a dual action combretastatin A-4 (CA-4) prodrug which releases CA-4 through a disulfide bond cleavage mechanism and contains a near-infrared (NIR) fluorophore.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1991 mL	5.9957 mL	11.9914 mL
5 mM	0.2398 mL	1.1991 mL	2.3983 mL
10 mM	0.1199 mL	0.5996 mL	1.1991 mL
50 mM	0.024 mL	0.1199 mL	0.2398 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Kong Y, Smith J, Li K, Cui J, Han J, Hou S, Brown ML. Development of a novel near-infrared fluorescent theranostic combretastatin A-4 analogue, YK-5-252, to target triple negative breast cancer. *Bioorg Med Chem.* 2017 Apr 1;25(7):2226-2233. doi: 10.1016/j.bmc.2017.02.046. Epub 2017 Feb 24. PubMed PMID: 28284864.

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