

**SCREENING FOR ANTI-CANCER COMPOUNDS USING NETRIN-1
ACTIVITY**

ABSTRACT

The subject matter of the present invention relates to an in vitro method for the screening of anti-cancer compounds based on the capacity for these compound to interact with netrin-1 receptor and/or to inhibit the dimerization of the intracellular domain of the netrin-1 receptor expressed in tumor cells. The invention also relates to a method for predicting the presence of metastatic or aggressive cancer, or for determining the efficiency of an anti-cancer treatment based on the measuring of the expression level of netrin-1. The invention further comprises kits and compounds as a medicament for the treatment of cancer such as metastatic breast cancer, related to the overexpression of netrin-1 by the tumor cells.

No Suitable Figure