

Title (en)
AN ASSAY REAGENT AND A METHOD OF MAKING AND USING THE ASSAY REAGENT

Title (de)
EIN TESTREAGENZ UND EIN VERFAHREN ZU DESSEN HERSTELLUNG UND VERWENDUNG

Title (fr)
REACTIF D'ANALYSE, PROCEDE DE PRODUCTION ET MODE D'EMPLOI

Publication
EP 0832279 A1 19980401 (EN)

Application
EP 96915790 A 19960514

Priority

- US 9606860 W 19960514
- US 44377695 A 19950518
- US 44405195 A 19950518
- US 44405695 A 19950518
- US 44521795 A 19950518

Abstract (en)
[origin: WO9636729A1] An assay compound or a salt thereof for assaying the activity of an enzyme inside a metabolically active whole cell is disclosed. The assay compound includes a leaving group and an indicator group. The leaving group is selected from the group comprising amino acids, peptides, saccharides, sulfates, phosphates, esters, phosphate esters, nucleotides, polynucleotides, nucleic acids, pyrimidines, purines, nucleosides, lipids and mixtures thereof. The indicator group is selected from compounds which have a first state when joined to the leaving group, and a second state when the leaving group is cleaved from the indicator group by the enzyme. Preferably, the indicator compounds are rhodamine 110, rhodol, and fluorescein and analogs of these compounds. A method of synthesizing the compound as well as methods of using these compounds to measure enzyme activity are also disclosed.

IPC 1-7
C12Q 1/34; G01N 33/574

IPC 8 full level
G01N 33/573 (2006.01); **C12Q 1/34** (2006.01); **G01N 33/574** (2006.01)

CPC (source: EP)
C12Q 1/34 (2013.01); **G01N 33/574** (2013.01); **C12Q 2334/40** (2013.01); **C12Q 2337/40** (2013.01)

Citation (search report)
See references of WO 9636729A1

Designated contracting state (EPC)
CH DE FR GB LI NL

DOCDB simple family (publication)
WO 9636729 A1 19961121; EP 0832279 A1 19980401; JP H11505702 A 19990525

DOCDB simple family (application)
US 9606860 W 19960514; EP 96915790 A 19960514; JP 53497596 A 19960514