

CERTIFICATE OF ANALYSIS

PRODUCT:	Caspase-9 Fluorometric Substrate, LEHD-AFC Ac-Leu-Glu-His-Asp-AFC $C_{30}H_{43}FN_4O_{11}$, M.W. 765.0
PRODUCT NUMBER:	C-2254
LOT NUMBER:	J1227
APPEARANCE:	Liquid
PURITY (HPLC):	> 98%
DESCRIPTION:	Ready-to-use fluorometric substrate for caspase-9/Mch-6 and related caspases that recognize the amino acid sequence LEHD. Caspase activity can be quantified by fluorescent detection of free AFC after cleavage from the peptide substrate LEHD-AFC at Ex. = 400 nm and Em. = 505 nm, using fluorometer or multi-well fluorescence plate reader. Alternatively, a shift in fluorescence from blue to green upon cleavage can be visualized, using a hand-held long-UV lamp. The ready-to-use caspase substrate provides an economic alternate for researchers who perform large amount of caspase assays. Cell lysis buffer (Cat #1067-100, -400) and 2X Reaction Buffer (Cat. #1068-20, -80) and DTT (Cat.# 1202-1) for caspase assays are also available separately.
STORAGE & HANDLING:	Store desiccated at -20°C. PROTECT FROM LIGHT! CAUTION: For laboratory research & scientific manufacturing use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: KLS