Hello Bio, Inc.
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500
F. 609-228-4994

customercare-usa@hellobio.com

DATASHEET

Erythrosin B

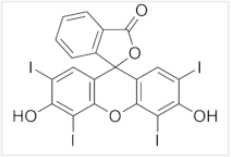
Product overview

Name	Erythrosin B
Cat No	HB0759
Alternative names	Solvent Red 140; tetra-iodo fluorescein; Ery B; Erythrosin; Erythrosine
Biological description	Photosensitizing vital exclusion dye. Synthetic dye and stain. Induces net release of transmitters via vesicles and selectively inhibits neuronal uptake of catecholamines.
Biological action	Dyes & stains
Description	Photosensitizing vital exclusion dye

Solubility & Handling

Storage instructions	Room temperature
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	Solvent Red 140; Tetraiodofluoresceuin; Erythrosine
Molecular Weight	835.89
Chemical structure	
Molecular Formula	$C_{20}H_8I_4O_5$
CAS Number	16423-68-0
PubChem identifier	0
SMILES	C1=CC=C2C(=C1)C(=O)OC23C4=CC(=C(C(=C4OC5=C(C(=C(C=C35)I)O)I)I)O)I

References

Establishing an experimental rat model of photodynamically-induced retinal vein occlusion using erythrosin B.

Chen W *et al* (2014) Int J Ophthalmol 7(2)
PubMedID 24790863

Characterization of transmitter release as a response of vertebrate neural tissue to erythrosin B.

Wade PD *et al* (1984) Brain Res 305(2)
PubMedID 6146388

Effect of erythrosin B on hyperpolarizing responses to catecholamines in amphibian sympathetic ganglia.

Smith PA *et al* (1984) J Pharmacol Exp Ther 230(1)
PubMedID 6086877

Fluorescent erythrosin B is preferable to trypan blue as a vital exclusion dye for mammalian cells in monolayer culture.

Krause AW *et al* (1984) J Histochem Cytochem 32(10)
PubMedID 6090533