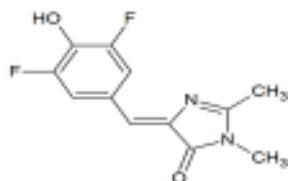


DFHBI

ALTERNATE NAME: (5Z)-5-[(3,5-Difluoro-4-hydroxyphenyl)methylene]-3,5-dihydro-2,3-dimethyl-4H-imidazol-4-one
3'5'-difluoro-4-hydroxybenzylidene

CATALOG #: B2797-5 5 mg
B2797-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₂H₁₀F₂N₂O₂

MOLECULAR WEIGHT: 252.22

CAS NUMBER: 1241390-29-3

APPEARANCE: Yellow solid

PURITY: ≥95% by HPLC

SOLUBILITY: ~20 mg/ml DMSO

DESCRIPTION: DFHBI is a cell-permeable non-fluorescent small molecule derived from the GFP chromophore. Upon binding to the "Spinach™" aptamer, DFHBI is converted to a highly fluorescent state that can be detected at the emission wavelength of 501 nm. DFHBI displays negligible toxicity in living cells. DFHBI can be used to label any genetically encoded Spinach™ family of RNA tags that include Spinach™, Spinach2™, and Broccoli™. Live-cell imaging of tagged RNA can be performed using a standard fluorescence microscopy. Further, DFHBI can also selectively detect tagged RNA in total RNA gel electrophoresis.

STORAGE TEMPERATURE: -20°C. Protect from light

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

BI (B2798)
DFHBI-1T (B2799)
DFHO (B3201)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*