TECHNICAL DATA SHEET

Fluorescent Imaging Agent

Caution: For Laboratory Use. A product for research purposes only.

IntegriSense™ 750

Product Number: NEV10873

DESCRIPTION: *IntegriSense™ 750* is a targeted fluorescence imaging agent comprising a potent, selective non-peptide small molecule integrin $\alpha_v\beta_3$ antagonist and a near-infrared (NIR) fluorochrome. This agent has been developed to enable *in vivo* visualization and quantification of integrin $\alpha_v\beta_3$ expressed in tumor cells as well as in neovasculature, to monitor tumor growth, tumor angiogenesis, and treatment efficacy. Half-life of IntegriSense 750 signal in tissue is approximately four days

MATERIAL ***(Needs to be reconstituted)***

CONTENTS: Each vial contains 24 nmol of *IntegriSense 750* lyophilized solid. The *IntegriSense 750* solution has been filtered through a 0.2 µm filter prior to lyophilization. Reconstitute *IntegriSense 750* with 1.2 mL of 1 x PBS before injecting into animals. The packaged material provides sufficient reagent for imaging approximately 10 mice (weighing ~25 grams each) when using the recommended dose of 2 nmol (100 µL) of *IntegriSense 750* per mouse.

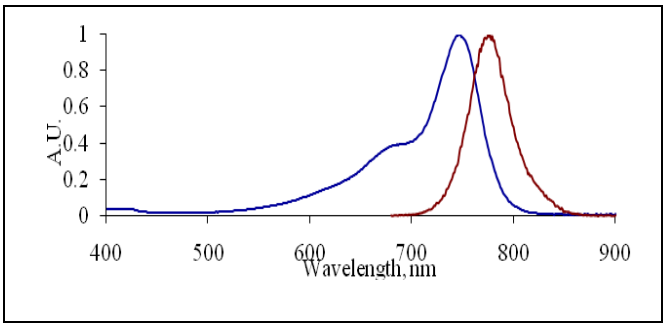
Table 1. *IntegriSense 750 Characteristics*

Property	Specification
MW	1278 g mol^{-1}
Fluorescence[1]	
• Excitation	755 nm
• Emission	775 nm
Absorbance	748 nm
Purity[2]	>95 %
Appearance	Dark blue-green solid

1. Absorbance and fluorescence maxima of *IntegriSense 750* in 1x PBS.
2. As determined by RP-HPLC and measuring absorbance at 750 nm.

PROPERTIES: The physical characteristics of *IntegriSense* 750 can be found in **Table 1 and Figure 1.**

Fig 1.



STORAGE & HANDLING:

- Upon receipt, *IntegriSense 750* should be **IMMEDIATELY STORED AT 2-8 °C AND PROTECTED FROM LIGHT.**
- When stored and handled properly, *IntegriSense 750* is stable for up to twelve months in the lyophilized form.
- Before opening the vial check to ensure that the lyophilized powder is present at the bottom of the vial.
- After reconstituting with PBS, gently swirl the solution to ensure that the lyophilized powder is fully in solution.
- **Once reconstituted with 1 x PBS, the solution is stable up to 10 days when stored at 2-8 °C and protected from light.**

IN VIVO IMAGING AND APPLICATIONS:

- The generally recommended procedure for *in vivo* imaging with *IntegriSense 750* is administration via intravenous injection and imaging **24 hours post injection**.
- Imaging may be performed as early as 6 hours with some reduction in target signal/noise.
- **IntegriSense 750 will clear from tissues after ~5 days. Repeat injection and imaging may be performed every five days for longitudinal studies. It is recommended that a pre-injection baseline image be taken prior to reinjection and imaging.**
- IntegriSense 750 enables imaging of tumors and neovasculature in a range of oncology applications.

NOTES:

- *PerkinElmer's IntegriSense 750* is intended for research purposes only and is not for human use. It must be used by or directly under the supervision of a technically qualified individual experienced in handling potentially hazardous materials. Please read the Material Safety Data Sheet (MSDS) provided for this product.

- Several of *PerkinElmer's* products and product applications are covered by U.S and foreign patents and patents pending. Our products are not available for resale or other commercial uses without a specific agreement from *PerkinElmer*.

PerkinElmer, Inc.
549 Albany Street
Boston, MA 02118 USA
P: (800) 762-4000 or (+1) 203-925-4602
www.perkinelmer.com/nenradiochemicals
For a complete listing of our global offices, visit www.perkinelmer.com/ContactUs

PerkinElmer®