

TEF LABS

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Product Specifications Sheet

Product Name

ASANTE Calcium Red™ sfc (AM)

MW

~1200 g/mol

K_d

~300-400 nM

Description

red-orange solid

TLC

60Å silica, 200 µm thickness

Solvent

3:1 ethyl acetate/hexanes

R_f

0.6

Purity

> 95%

HPLC

Waters™ XTerra® MS-C18, 4.6 x 100 mm

Flow rate

1.4 mL / min

Solvents

A = 0.01 M triethylammonium phosphate, pH 2.8

B = acetonitrile

Solvent Gradient

65% B for 7 min (isocratic)

Retention Time (minutes)

4.71 minutes

Detector Settings

254 nm

480 nm

Purity

> 95%

> 95%

Absorption Spectrum

Solvent

Ethyl acetate

λ_{max}

447 nm and 472 nm

ε

23000 M⁻¹cm⁻¹