
Thiazole Orange

<http://hk.lumiprobe.com/p/thiazole-orange>

Thiazole Orange is an asymmetric cyanine dye whose fluorescence highly depends on the local environment. Thiazole Orange is essentially dark in solution; however, its fluorescence increases a thousandfold when Thiazole Orange is introduced into double-stranded DNA and RNA (dsDNA or dsRNA).

The maximum absorption of Thiazole Orange in complex with DNA is 509 nm, and the maximum emission is 532 nm.

Thiazole Orange solution is widely used for determining the percentage of reticulocytes in human peripheral blood with microscopy and flow cytometry. We also offer the ready-to-use solution of Thiazole Orange [LumiCell Reticulocyte Stain](#) for this purpose.

外观:

分子量: 432.33

CAS 编号: 2394903-71-8; 24147-36-2; 107091-89-4 (p-toluenesulfonate)

分子式: $C_{19}H_{17}IN_2S$

质量控制:

储存条件:

激发/吸收极大值, 纳米: 509

发射极大值, 纳米: 532