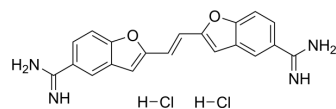


True Blue

Cat. No.:	HY-D1161
CAS No.:	71431-30-6
Molecular Formula:	C ₂₀ H ₁₈ Cl ₂ N ₄ O ₂
Molecular Weight:	417.29
Target:	Fluorescent Dye
Pathway:	Others
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



BIOLOGICAL ACTIVITY

Description	True Blue (NCI 240899) is a fluorescent dye, as neuronal retrograde tracer (excitation wavelength 395-425 nm, barrier filter 450 nm). True Blue can label neuron and has no effects on neuronal survival ^{[1][2]} .
In Vivo	True Blue can label dorsal root ganglion neurons (DRGNs) and motoneurons (MNs) by soaking the cut sciatic nerve of adult female rats, and does not affect neuronal survival whenever 4 days or 20 weeks after soak ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. M Bentivoglio, et al. Fluorescent retrograde neuronal labeling in rat by means of substances binding specifically to adenine-thymine rich DNA. *Neurosci Lett.* 1979 May;12(2-3):235-40.
- [2]. W T Garrett, et al. Fluoro-Gold's toxicity makes it inferior to True Blue for long-term studies of dorsal root ganglion neurons and motoneurons. *Neurosci Lett.* 1991 Jul 8;128(1):137-9.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA