

FOCUS BIOMOLECULES

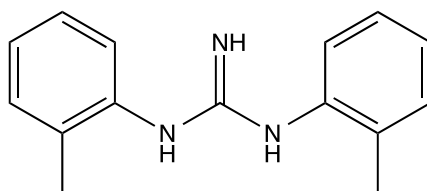
Catalog # 10-4204

DTG

CAS# 97-39-2

1,3-Di-*o*-tolylguanidine

Lot # FBS1056



DTG is an agonist of the sigma (σ) receptor¹ with roughly equal potency against both subtypes (σ 1 and σ 2 IC₅₀'s ~ 30nM)².

- 1) Weber *et al.* (1986), *1,3-Di(2-[5-3H]tolyl)guanidine: a selective ligand that labels sigma-type receptors for psychotomimetic opiates and antipsychotic drugs*; Proc.Natl.Acad.Sci.USA, **83** 8784
- 2) Scherz *et al.* (1990), *Synthesis and Structure-Activity Relationships of N,N'-Di-o-tolylguanidine Analogues, High-Affinity Ligands for the Haloperidol-Sensitive σ Receptor*, J.Med.Chem., **33** 2421

PHYSICAL DATA

Molecular Weight:	239.32
Molecular Formula:	C ₁₅ H ₁₇ N ₃
Purity:	>99% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (>10 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied at room temperature for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.

Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462

www.focusbiomolecules.com