

TABLE 11-7

PHARMACOLOGICAL REQUIREMENTS

Administration

Repeated administration
Easily self-administered
Order of preference:
Oral > transdermal > sublingual > intramuscular

Biological Action of Drug

Adequate duration of effect
Compatible with other drugs

Chemical Characteristics

High chemical stability (long shelf-life)

Dose

DRF > 1.4 (30-day lethality, gamma radiation)
Single-dose regimen
Manageable dose quantities (weight or volume)

Pharmacological Side Effects

No chronic toxicity
Minimal behavioral toxicity
Minimal or controllable acute side effects
Minimal increased vulnerability to chemical or biological agents
Minimal effect on wound healing
Wide safety margin
